

## Chapter 5

### TRENDS IN SUBSTANCE USE

This chapter presents the trend data for lifetime, monthly, and daily use of alcohol, tobacco, and other drugs. Lifetime and monthly trend data are presented from 1987 to 2003; daily use trend data are only available from 1996 to the present. Trends in substance abuse are presented in Chapter 6, *Treatment Needs and Accessibility of Services*.

Changes reported in this chapter for substance use over the years could be due to a number of factors. Changes could reflect real changes, or they could be due to methodological artifacts. To facilitate comparability of results over the years, every attempt has been made to match the administrative procedures of previous survey efforts. Three changes that could impact the trend data should be noted. First, beginning in 1996, sampling procedures could not be replicated. As discussed in Chapter 3, each student needed parental consent to participate in the *2003 Hawaii Student Alcohol, Tobacco, and Other Drug Use Study*. This was not the case from 1987 to 1993. Consequently, substance use changes after 1993 may reflect a sampling bias where some students are under- or over-represented. Chapter 3, however, presented the case that a similar proportion of at-risk students have been represented in the study over the years and, thus, substance use changes since 1993 most likely reflect real changes. In 2003, sampling techniques were again changed by replacing census sampling with random sampling of public school classes. Private schools were still sampled using census sampling techniques. Data was weighted in 2003 to assure that private school students were not over-represented in the final sample. Although the sampling technique changed in 2003, the resulting 2003 sample should be reflective of the population as a whole. Thus, the sampling change should not have affected trend data.

Second, from 1987 to 1998, and again in 2002 and 2003, survey administrators were classroom teachers who were given written proctoring instructions to follow. In 2000, the study relied primarily upon trained research personnel to administer the survey. The use of trained research personnel proved to be extremely costly, and the percentage of dishonest students who had to be discarded from the study was actually higher in 2000 than in previous years. Thus, in 2002 and 2003, classroom teachers were asked to administer the survey, matching administration procedures used from 1993 to 1998.

Third, in 2003, based on a request from the Department of Education, students were surveyed during the fall semester, rather than the spring semester. Fall data collection resulted in surveying the students approximately 3 to 4 months earlier in the academic year than previously done from 1987 to 2002. Data collected earlier in the academic year could potentially suppress grade-level reports of substance use behaviors if the behavior typically occurs in a particular grade level, but not until the spring semester of the academic year. This potential bias should be considered when interpreting the trend data. Until repeated fall data collection efforts have occurred, there is no way of clearly knowing whether the change in data collection time period significantly impacted 2003 prevalence rates and, if so, to what degree.

This chapter is organized in a manner similar to Chapter 4. Lifetime prevalence reports for use of illicit drugs, alcohol, and tobacco are discussed first, monthly prevalence reports are addressed next, and daily prevalence reports follow. The chapter concludes with trend data comparisons for the subgroups addressed in Chapter 4 (i.e., county, sex, and ethnicity). Comparisons to nationwide results are discussed where applicable. For details on nationwide trends, see Johnston et al. (2004).

## *Chapter 5*

Coinciding with Chapter 4, references to “drugs” refer to the use of one or more of the following substances: marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. With the exception of inhalants, all of the drugs included in the drug category are illicit drugs. References to “any drug” exclude the use of alcohol and tobacco, which are discussed separately from illicit drugs. The tables include two categories for any drug use: “Any illicit drug, including inhalants,” refers to the use of any illicit drug *or* the use of inhalants; “any illicit drug, excluding inhalants,” refers to the use of illicit drugs only. Unless specifically noted otherwise, references in this chapter to “any drug” or “any illicit drug” refer to the use of any illicit drug, including inhalants.

### **TRENDS IN LIFETIME PREVALENCE OF SUBSTANCE USE, 1987-2003**

In Hawaii, lifetime prevalence of any illicit drug use steadily increased from 1991 to 1996 at all grade levels. This trend in illicit drug use continued in 1998 for students in the upper grades, but a decrease in prevalence rates was noted in grade 8, and a stabilization pattern was observed in grade 6. In 2000, lifetime prevalence of any illicit drug use dropped at all grade levels. Lifetime prevalence of any illicit drug use has continued to decline over the years in grade 8. For all other grades, lifetime prevalence of any illicit drug use rose slightly in 2002 and then decreased across all grade levels in 2003. In grades 6 and 8, prevalence reports of any illicit drug use has reached record lows; in grades 10 and 12, prevalence reports of any illicit drug use are below those reported in 1996, but remain higher than those noted in 1991. In regards to specific drugs, lifetime prevalence reports either decreased or stabilized in 2003 for virtually every illicit drug. The only exception was for 12th-grade inhalant use, which rose by 2 percentage points. The largest decreases in lifetime prevalence rates occurred for marijuana, hallucinogens, and ecstasy/MDMA, where decreases were as large as 5 percentage points. Modest decreases in lifetime prevalence rates also occurred for methamphetamine use in grades 8, 10, and 12; sedative or tranquilizer use in grade 10; and inhalant use in grade 6. Lifetime prevalence reports for cocaine, heroin or other opiates, and steroids remained fairly stable across each of the grades.

Nationwide, overall illicit drug use has been declining for several years among 8th-grade students and had been holding steady among older students until 2002; in 2002 there was a significant decline in overall illicit drug use among older students and the trend continued in 2003. In 2003, the most notable decreases nationwide were in marijuana and ecstasy use. Methamphetamine prevalence rates have also been gradually declining nationwide. Other illicit drugs have held fairly steady nationwide the last few years. Nationwide, the only increase in drug use was among 8th graders’ reports of inhalant use, which rose 1 percentage point. Thus, Hawaii’s downward trends mirror nationwide findings.

Alcohol use by adolescents in Hawaii, as well as nationwide, had remained fairly stable and high over the years. At the turn of the century, however, decreases in alcohol lifetime prevalence reports began to occur, with decreases in 2000 for Hawaii students and in 2001 for students nationwide. Lifetime prevalence reports for alcohol use continue to decline in Hawaii, as well as nationwide.

In 1998, Hawaii lifetime prevalence reports for cigarette use decreased for the first time in nearly a decade and has continued to decline through 2003; lifetime cigarette prevalence reports are currently at record lows. Lifetime prevalence reports for smokeless tobacco have also been dropping over the years. These trends match ongoing nationwide decreases in lifetime tobacco prevalence reports.

**TABLE 18**  
**Trends in Lifetime Prevalence of Various Substances**  
**for Sixth, Eighth, Tenth, and Twelfth Graders, 1987-2003**

(Entries are percentages %)

	1987	1989	1991	1993	1996	1998	2000	2002	2003	2002-2003 change
<b>Any Illicit Drug, Including Inhalants <sup>a</sup></b>										
6th Grade	14.4	11.5	9.2	12.4	13.4	13.7	8.3	9.5	7.5	-2.0
8th Grade	27.1	22.3	21.6	27.3	29.6	26.3	23.3	22.0	19.2	-2.8
10th Grade	38.7	33.3	33.5	38.7	41.3	42.9	36.9	40.4	35.1	-5.3
12th Grade	50.5	41.4	39.3	42.0	47.7	50.3	48.4	49.4	46.9	-2.5
<b>Any Illicit Drug, Excluding Inhalants <sup>b</sup></b>										
6th Grade	—	—	—	—	6.4	6.6	4.2	5.2	4.3	-0.9
8th Grade	—	—	—	—	23.0	20.9	18.5	18.2	14.3	-3.9
10th Grade	—	—	—	—	37.8	40.7	35.2	38.6	32.7	-5.9
12th Grade	—	—	—	—	45.9	48.9	47.8	48.5	46.1	-2.4
<b>Marijuana</b>										
6th Grade	3.0	2.5	1.7	2.4	5.1	4.9	2.4	2.6	1.5	-1.1
8th Grade	16.5	13.1	12.3	16.7	21.5	19.2	15.9	15.9	12.1	-3.8
10th Grade	32.9	26.2	25.7	31.4	36.5	39.2	33.2	35.8	30.5	-5.3
12th Grade	46.0	36.2	34.3	37.1	44.7	47.7	45.8	46.2	44.4	-1.8
<b>Inhalants</b>										
6th Grade	10.6	8.7	7.2	9.4	9.7	10.1	5.3	5.6	4.2	-1.4
8th Grade	14.9	13.0	12.7	16.6	15.2	12.5	9.9	9.1	9.0	-0.1
10th Grade	13.4	12.8	14.2	15.6	11.2	10.2	7.0	8.4	7.9	-0.5
12th Grade	11.5	11.2	10.2	12.0	7.9	8.1	5.7	7.3	8.8	+1.5
<b>Cocaine</b>										
6th Grade	0.8	0.8	0.7	1.0	1.9	2.0	0.4	0.4	0.5	+0.1
8th Grade	3.8	4.3	3.4	4.0	5.3	4.2	2.2	2.1	1.2	-0.9
10th Grade	8.0	7.7	6.4	7.2	5.8	5.3	3.5	3.1	3.0	-0.1
12th Grade	14.8	10.5	9.1	8.2	7.9	6.0	5.8	4.5	4.5	0.0
<b>Methamphetamine</b>										
6th Grade	—	1.4	1.0	1.3	1.4	1.8	0.5	0.4	0.2	-0.2
8th Grade	—	6.1	4.3	4.9	4.4	4.6	2.3	2.0	0.9	-1.1
10th Grade	—	9.9	7.0	7.8	5.9	6.7	4.5	4.2	2.7	-1.5
12th Grade	—	11.7	8.9	8.4	7.5	7.7	5.8	5.3	4.2	-1.1

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**TABLE 18 (continued)**  
**Trends in Lifetime Prevalence of Various Substances**  
**for Sixth, Eighth, Tenth, and Twelfth Graders, 1987-2003**

(Entries are percentages %)

	1987	1989	1991	1993	1996	1998	2000	2002	2003	2002-2003 change
<b>Heroin or Other Opiates</b>										
6th Grade	1.0	0.9	0.6	0.8	1.3	1.4	0.2	0.3	0.2	-0.1
8th Grade	3.3	2.6	2.4	2.7	3.4	2.7	1.2	1.0	0.7	-0.3
10th Grade	4.4	4.2	4.1	4.1	1.9	2.3	1.3	1.3	1.1	-0.2
12th Grade	6.0	5.1	4.6	5.1	2.7	2.0	1.8	1.4	1.7	+0.3
<b>Sedatives/Tranquilizers</b>										
6th Grade	1.3	0.7	0.8	0.9	1.4	1.6	0.4	0.5	0.6	+0.1
8th Grade	2.7	2.8	2.5	2.7	3.6	3.0	1.8	1.9	1.2	-0.7
10th Grade	4.7	4.1	4.2	4.0	3.9	3.9	3.2	4.5	3.1	-1.4
12th Grade	6.3	4.5	4.2	4.3	4.8	3.9	3.8	5.8	5.4	-0.4
<b>Hallucinogens</b>										
6th Grade	0.9	1.0	0.8	1.2	1.6	1.9	0.4	0.4	0.3	-0.1
8th Grade	3.4	4.1	3.5	4.5	6.5	4.6	2.9	2.5	1.1	-1.4
10th Grade	6.3	6.6	7.1	9.1	7.8	9.2	6.4	5.6	3.3	-2.3
12th Grade	8.3	7.9	8.6	10.8	12.0	11.6	9.9	9.1	6.5	-2.6
<b>Steroids</b>										
6th Grade	3.3	2.2	2.2	1.9	1.5	2.0	1.3	2.0	1.6	-0.4
8th Grade	5.4	4.0	3.1	3.1	2.8	2.6	2.2	2.1	1.8	-0.3
10th Grade	4.8	4.1	3.8	3.7	2.2	2.1	1.7	2.6	2.2	-0.4
12th Grade	4.5	4.4	3.5	3.3	2.4	1.6	1.8	2.8	2.4	-0.4
<b>Ecstasy/MDMA</b>										
6th Grade	—	—	—	—	—	1.4	0.1	0.2	0.2	0.0
8th Grade	—	—	—	—	—	2.9	2.0	3.0	1.1	-1.9
10th Grade	—	—	—	—	—	4.1	5.3	7.2	3.5	-3.7
12th Grade	—	—	—	—	—	5.3	8.4	10.6	6.4	-4.2
<b>GHB</b>										
6th Grade	—	—	—	—	—	—	—	0.1	0.2	+0.1
8th Grade	—	—	—	—	—	—	—	1.4	0.6	-0.8
10th Grade	—	—	—	—	—	—	—	2.0	1.1	-0.9
12th Grade	—	—	—	—	—	—	—	2.6	1.2	-1.4
<b>Rohypnol</b>										
6th Grade	—	—	—	—	—	—	—	0.2	0.1	-0.1
8th Grade	—	—	—	—	—	—	—	0.9	0.5	-0.4
10th Grade	—	—	—	—	—	—	—	1.3	0.8	-0.5
12th Grade	—	—	—	—	—	—	—	0.9	0.8	-0.1

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**TABLE 18 (continued)**  
**Trends in Lifetime Prevalence of Various Substances**  
**for Sixth, Eighth, Tenth, and Twelfth Graders, 1987-2003**

(Entries are percentages %)

	1987	1989	1991	1993	1996	1998	2000	2002	2003	2002-2003 change
<b>Ketamine</b>										
6th Grade	—	—	—	—	—	—	—	0.2	0.4	+0.2
8th Grade	—	—	—	—	—	—	—	0.8	0.8	0.0
10th Grade	—	—	—	—	—	—	—	1.4	0.6	-0.8
12th Grade	—	—	—	—	—	—	—	1.7	1.3	-0.4
<b>Alcohol<sup>c</sup></b>										
6th Grade	47.6	34.6	31.1	34.9	29.8	31.6	24.2	20.0	13.2	-6.8
8th Grade	64.7	57.3	55.8	57.4	54.0	52.6	49.2	42.5	36.8	-5.7
10th Grade	76.1	71.1	72.9	73.3	73.4	72.3	67.1	64.7	59.1	-5.6
12th Grade	85.9	80.5	79.8	79.2	79.7	81.2	77.2	75.4	72.5	-2.9
<b>Been Drunk</b>										
6th Grade	—	—	—	—	5.6	5.8	2.9	3.3	2.0	-1.3
8th Grade	—	—	—	—	22.9	20.4	17.3	17.1	13.4	-3.7
10th Grade	—	—	—	—	40.1	40.7	37.5	37.8	33.4	-4.4
12th Grade	—	—	—	—	52.2	55.4	53.0	53.5	51.6	-1.9
<b>Any Tobacco Use</b>										
6th Grade	—	—	—	—	24.2	22.2	12.7	10.5	7.2	-3.3
8th Grade	—	—	—	—	46.6	44.1	37.2	28.2	23.1	-5.1
10th Grade	—	—	—	—	58.4	58.0	50.5	43.2	36.7	-6.5
12th Grade	—	—	—	—	64.7	63.6	60.0	50.5	46.1	-4.4
<b>Cigarettes</b>										
6th Grade	7.3	11.6	9.6	12.6	23.6	21.5	12.2	9.9	6.7	-3.2
8th Grade	26.4	32.5	33.2	37.4	45.9	43.1	36.3	27.6	22.5	-5.1
10th Grade	38.9	43.3	45.6	49.3	57.4	57.0	49.5	42.1	35.9	-6.2
12th Grade	48.2	49.5	49.6	50.7	62.7	62.4	58.8	49.4	45.3	-4.1
<b>Smokeless Tobacco</b>										
6th Grade	3.2	2.8	2.8	3.1	3.5	3.1	1.2	1.3	0.9	-0.4
8th Grade	8.2	6.2	6.8	7.1	8.1	5.9	3.6	3.5	3.0	-0.5
10th Grade	13.3	10.5	10.0	10.1	10.6	10.2	5.3	5.9	4.4	-1.5
12th Grade	17.5	14.4	13.7	13.0	16.8	15.9	10.0	8.0	7.5	-0.5

Approximate Weighted Ns for 2003: 6<sup>th</sup> grade = 16,649; 8<sup>th</sup> grade = 17,127; 10<sup>th</sup> grade = 15,921; 12<sup>th</sup> grade = 12,824.

NOTES: ‘—’ indicates data not available. *Lifetime Prevalence* is defined as use of a substance at least once in a student’s lifetime.

<sup>a</sup> *Any Illicit Drug, Including Inhalants* includes the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was first added to the survey in 1998. GHB, Rohypnol, and ketamine were first added to the survey in 2002.

<sup>b</sup> *Any Illicit Drug, Excluding Inhalants* includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was first added to the survey in 1998. GHB, Rohypnol, and ketamine were first added to the survey in 2002.

<sup>c</sup> Students were asked if they had tried beer or wine – “more than a few sips,” or hard liquor.

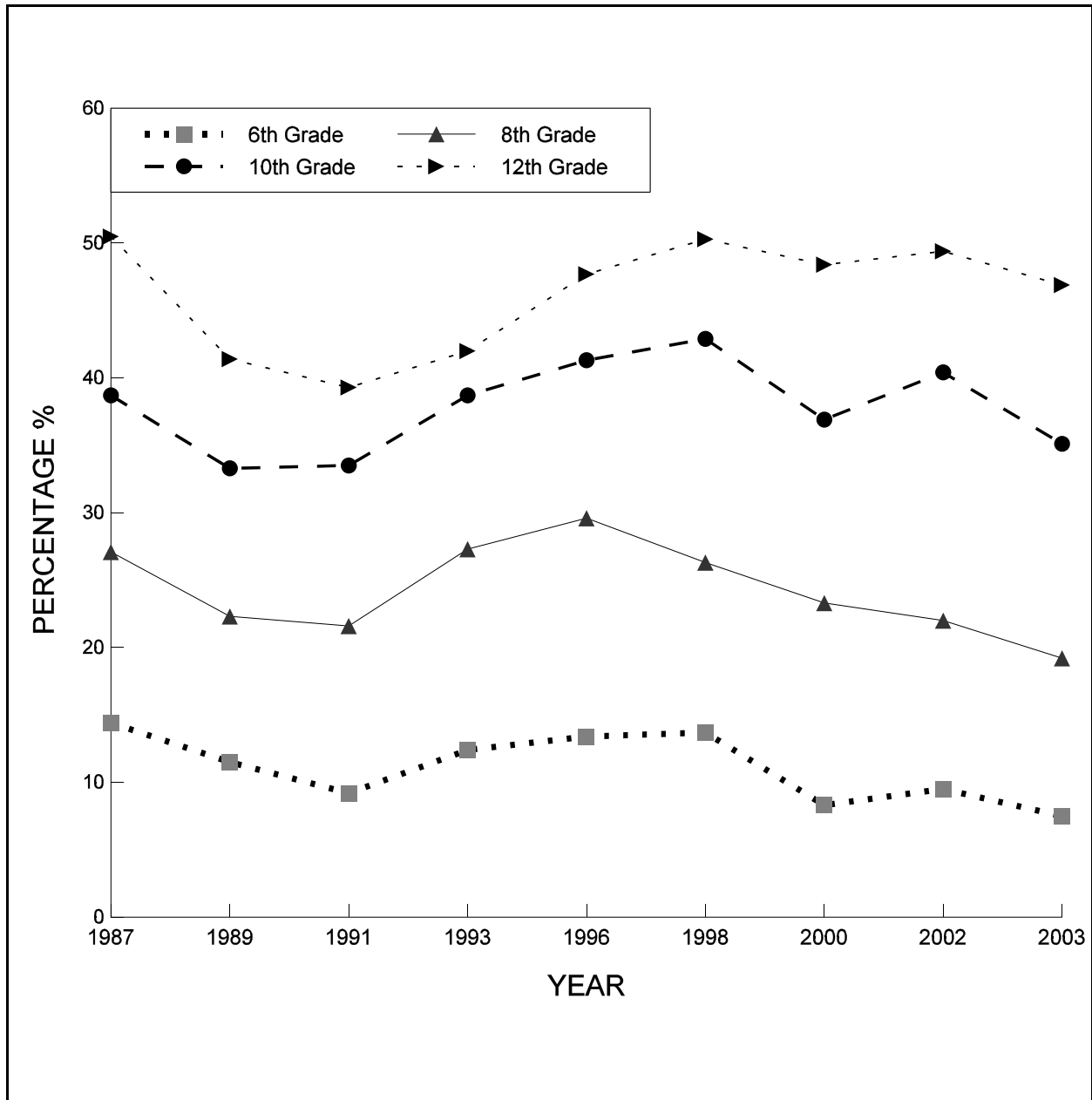
Table 18 presents trends in lifetime prevalence reports at all four grade levels for illicit drugs, alcohol, and tobacco from 1987 to 2003. Figure 26 displays the trends in lifetime prevalence of any illicit drug use, including inhalants. Figure 27 illustrates the trend data for specific drugs. Figures 28 and 29 illustrate the trends in alcohol and cigarette use, respectively. Trends in lifetime prevalence of illicit drugs are presented first, followed by trends in lifetime prevalence of alcohol and tobacco.

### ***Trends in Lifetime Prevalence of Illicit Drug Use, 1987-2003***

**Overview of Key Findings.** Lifetime prevalence of illicit drug use generally decreased from 1987 to 1991, increased from 1991 to 1996, continued to increase for 10th and 12th graders in 1998, and finally decreased across all four grade levels in 2000. Slight increases in lifetime prevalence of illicit drug use were noted in grades 6, 10, and 12 in 2002, but prevalence rates are down again across all four grade levels in 2003. A number of illicit drugs showed declines in 2003 – most notably marijuana, hallucinogens, ecstasy, and methamphetamine. The only drug showing a notable increase was inhalants, where a 2 percentage point increase was noted in grade 12. Nationwide, the use of most illicit drugs is declining with substantial decreases occurring for marijuana and ecstasy use. Inhalant use rose 1 percentage point nationwide among students in grade 8. Prevalence rates of illicit drug use in Hawaii remain lower than those noted nationwide.

- Lifetime prevalence of ***any illicit drug, including inhalants***, generally decreased from 1987 to 1991, increased from 1991 to 1996, continued to increase for 10th and 12th graders in 1998, and finally decreased across all four grade levels in 2000 (see Figure 26). In 2002, the proportion of students reporting the use of any illicit drug in their lifetimes continued to decline only in grade 8. The downward trajectory picked up again in 2003 across all grades. Student reports of any illicit drug use in their lifetimes are now at record lows in grades 6 and 8, and nearly record lows in grade 10.
- Lifetime prevalence reports of ***marijuana***, the most widely used of the illicit drugs, typically follows the pattern reported for any illicit drug use (compare Figures 26 and 27a). In 2003, lifetime marijuana prevalence reports decreased by 1 percentage point in grade 6, 4 percentage points in grade 8, 5 percentage points in grade 10, and 2 percentage points in grade 12. Nationwide, lifetime marijuana prevalence reports are also down in 2003, but the decreases are less dramatic than those noted in Hawaii.
- Figure 27b shows that ***inhalant*** use decreased sharply from 1998 to 2000 in all grades. In 2002, inhalant use remained steady among 6th graders, dropped modestly among 8th graders, and increased among 10th and 12th graders. In 2003, the increase in inhalant use continued among 12th graders, but decreased slightly or stabilized in other grades. Nationwide, inhalant use rose slightly in grade 8, but continued to decline in grades 10 and 12. Hawaii lifetime prevalence reports in 2003 for inhalant use in grades 8, 10, and 12 (9%, 8%, and 9%, respectively) remain much lower than nationwide reports in the same grades (16%, 13%, and 11%, respectively).

**FIGURE 26**  
Trends in Lifetime Prevalence of Any Illicit Drug Use, by Grade, 1987-2003



NOTES: *Lifetime Prevalence of Any Illicit Drug* refers to use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, ecstasy/MDMA, GHB, Rohypnol, ketamine, or steroids at least once in a student's lifetime. Ecstasy was first added to the survey in 1998. GHB, Rohypnol, and ketamine were first added to the survey in 2002.

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- Use of **cocaine** began on a downward trajectory in 1996 in the upper grades, and started to decrease a few years later in the lower grades. In 2003, lifetime prevalence reports for cocaine use dropped in grade 8, but stabilized in all other grades (see Figure 27c).
- A sharp decrease in **methamphetamine** use occurred from 1998 to 2000 and the decline in prevalence reports has continued over the years (see Figure 27d). Decreases in 2003 for students in grades 8, 10, and 12 were between 1 and 2 percentage points.
- Prevalence reports for **heroin or other opiates** plummeted in 1996 in the upper grade levels, but increased slightly in the lower grade levels (see Figure 27e). Between 2000 and 2002 prevalence reports for heroin or other opiates took a downward turn across all grades and has since stabilized at prevalence rates that are below 2%.
- The use of **sedatives or tranquilizers** were declining across all grades between 1996 and 2000. In 2002, lifetime prevalence reports for sedatives or tranquilizers rose in grades 10 and 12. In 2003, grades 6 and 12 remain unchanged; in grades 8 and 10, slight decreases occurred (see Figure 27f).
- Similar to many of the other illicit drugs, lifetime prevalence reports for **hallucinogens** had started on a downward trajectory in 1998 (see Figure 27g). In 2003, the decline in hallucinogen use continues with a 1 percentage point decrease in grade 8, a 2 percentage point decrease in grade 10, and a 3 percentage point decrease in grade 12. These trends are similar to nationwide trends where hallucinogen use has declined over the years.
- **Steroid** use in Hawaii has been decreasing over the years (see Figure 27h) and has remained lower than nationwide reports. A modest increase in lifetime prevalence reports of steroid use occurred in 2002 for some grades; in 2003, lifetime prevalence reports of steroid use are low and down less than 1 percentage points. Nationwide, steroid use had been at historically high levels, but began to stabilize in 2002. Hawaii lifetime prevalence rates for steroid use among students in grades 8, 10, and 12 (2% across all grades), remain lower than nationwide reports by students in the same grades (3%, 3%, and 4%).
- Nationwide, lifetime prevalence reports of **ecstasy** use started on a downward trajectory in 2002. In Hawaii, ecstasy use continued to rise in 2002, but finally dropped in 2003 (see Figure 27i). Among 10th and 12th graders, 2003 ecstasy prevalence rates are 4 percentage points lower than 2002 prevalence rates. Hawaii ecstasy rates have been approximately 1 to 2 years behind nationwide reports (Klingle, 2001). Other club drugs such as **GHB**, **Rohypnol**, and **ketamine** have remained low in Hawaii and remain stable or shown modest signs of decline in 2003 (see Figures 27j-27l).



**FIGURE 27**  
**Trends in Lifetime Prevalence of Each Illicit Drug, by Grade, 1987-2003**

Figure 27a: Lifetime **Marijuana** Use

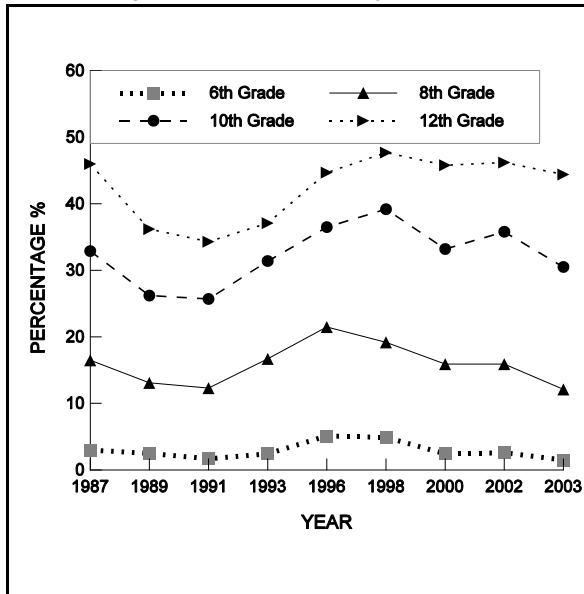


Figure 27b: Lifetime **Inhalants** Use

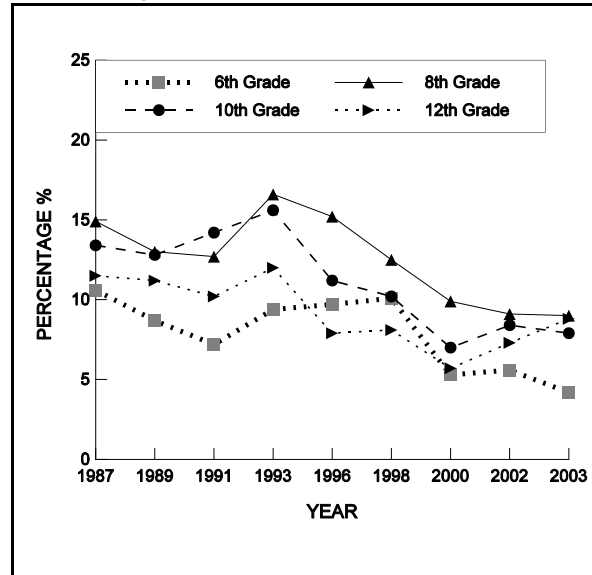


Figure 27c: Lifetime **Cocaine** Use

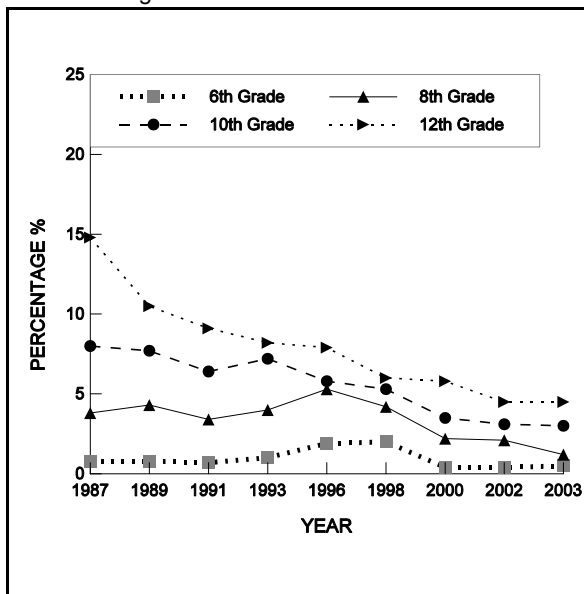
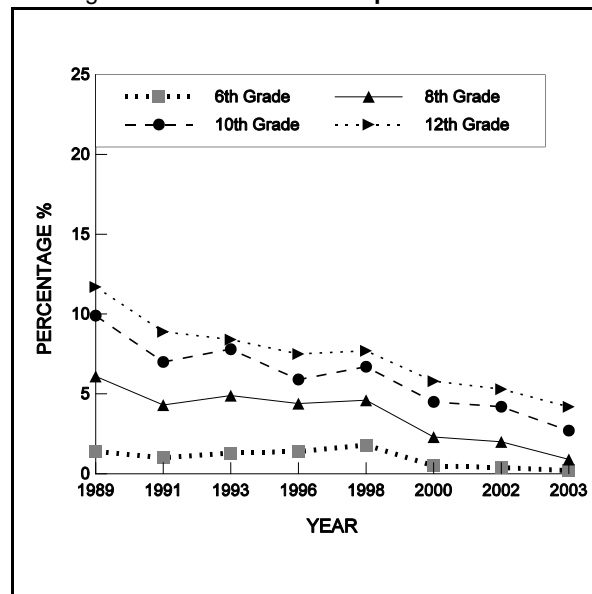


Figure 27d: Lifetime **Methamphetamine** Use



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**FIGURE 27 (continued)**  
**Trends in Lifetime Prevalence of Each Illicit Drug, by Grade, 1987-2003**

Figure 27e: Lifetime **Heroin/Opiates** Use

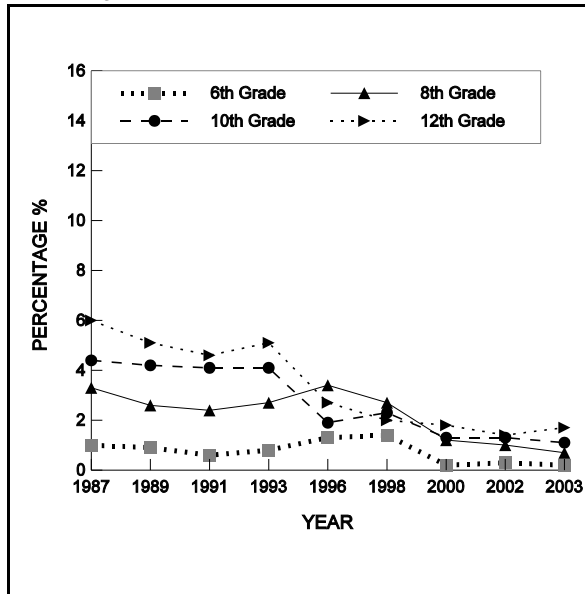


Figure 27f: Lifetime **Sedatives/Tranquilizers** Use

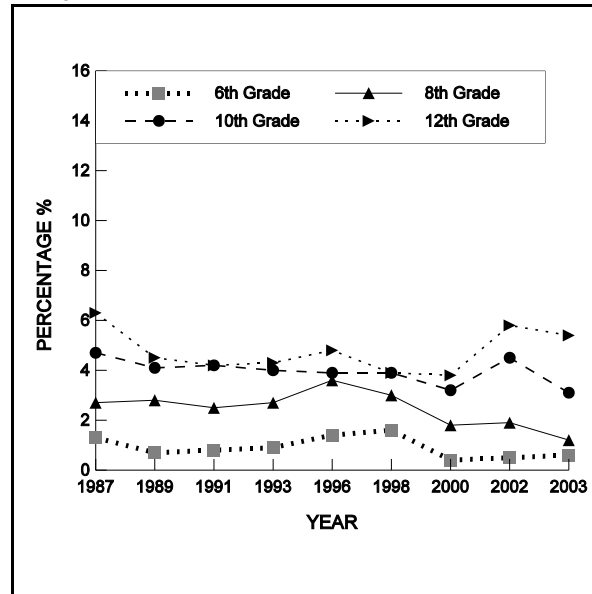


Figure 27g: Lifetime **Hallucinogens** Use

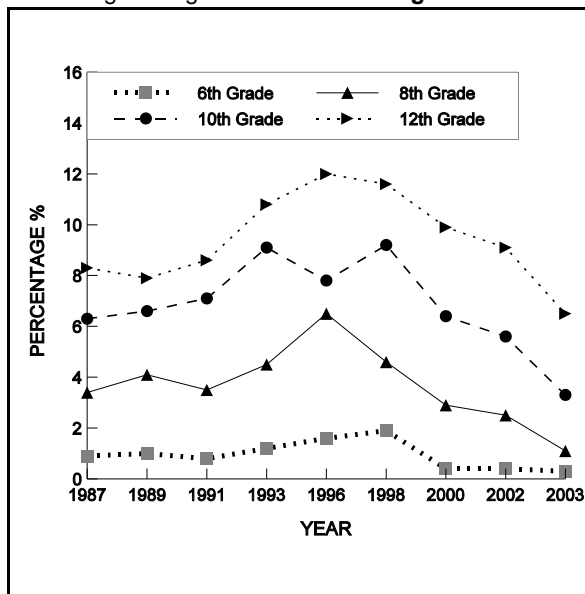
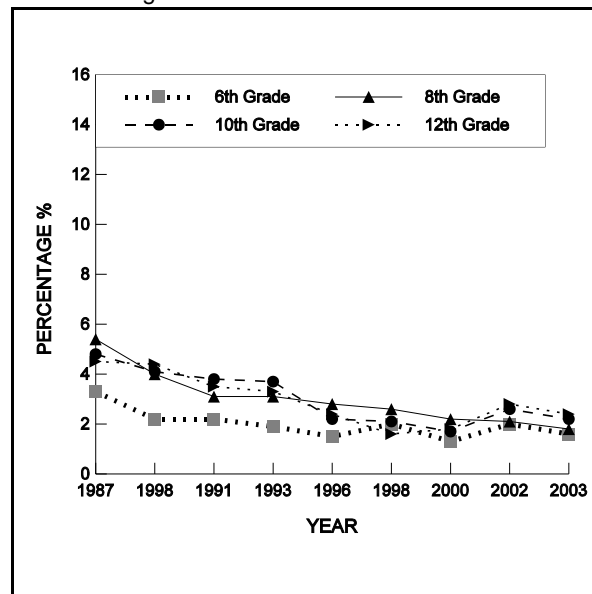


Figure 27h: Lifetime **Steroids** Use



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**FIGURE 27 (continued)**  
**Trends in Lifetime Prevalence of Each Illicit Drug, by Grade, 1987-2003**

Figure 27i: Lifetime **Ecstasy** Use

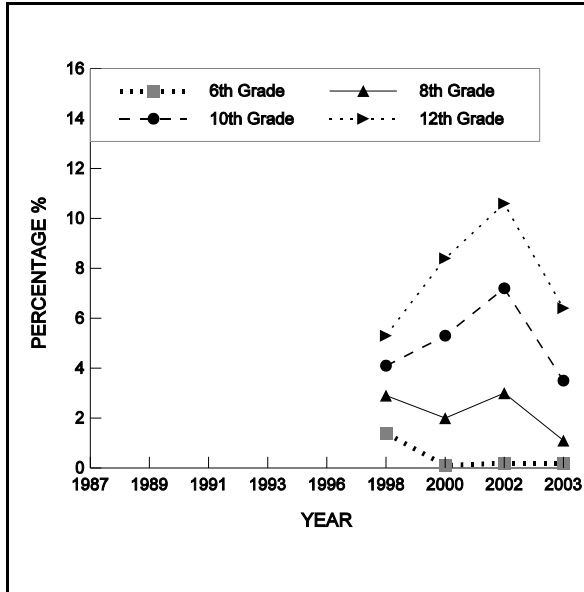


Figure 27j: Lifetime **GHB** Use

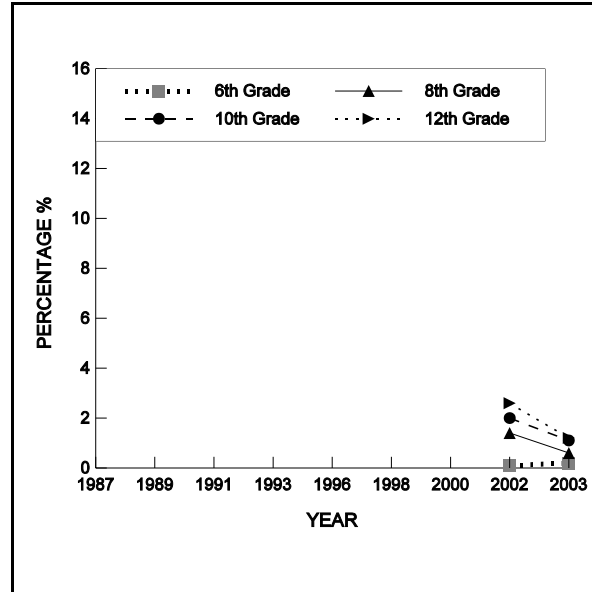


Figure 27k: Lifetime **Rohypnol** Use

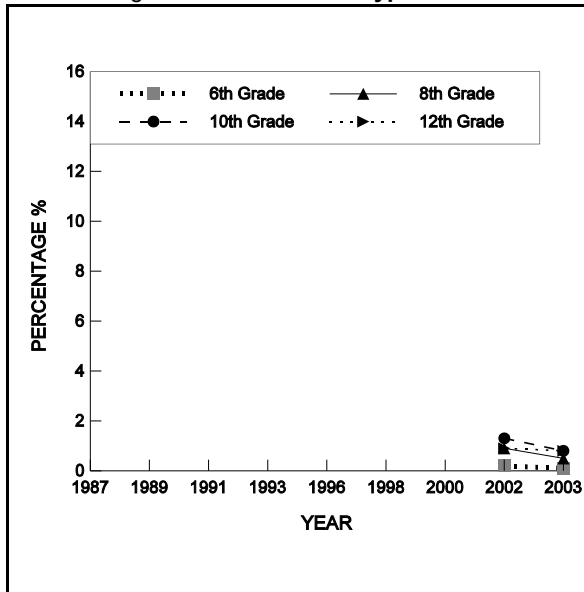
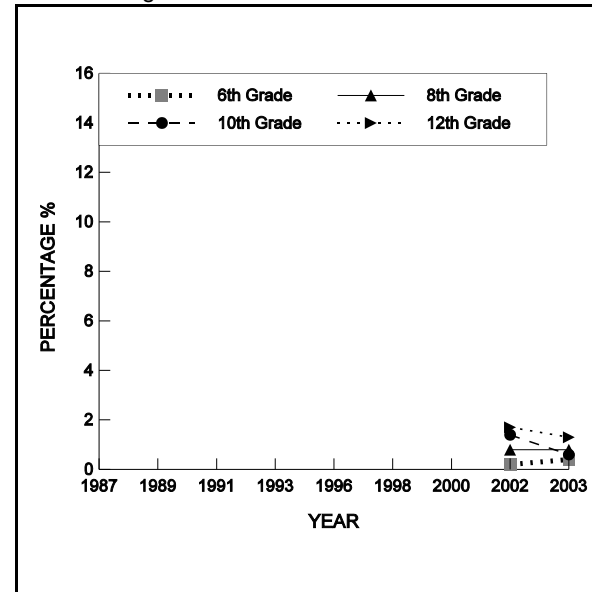


Figure 27l: Lifetime **Ketamine** Use



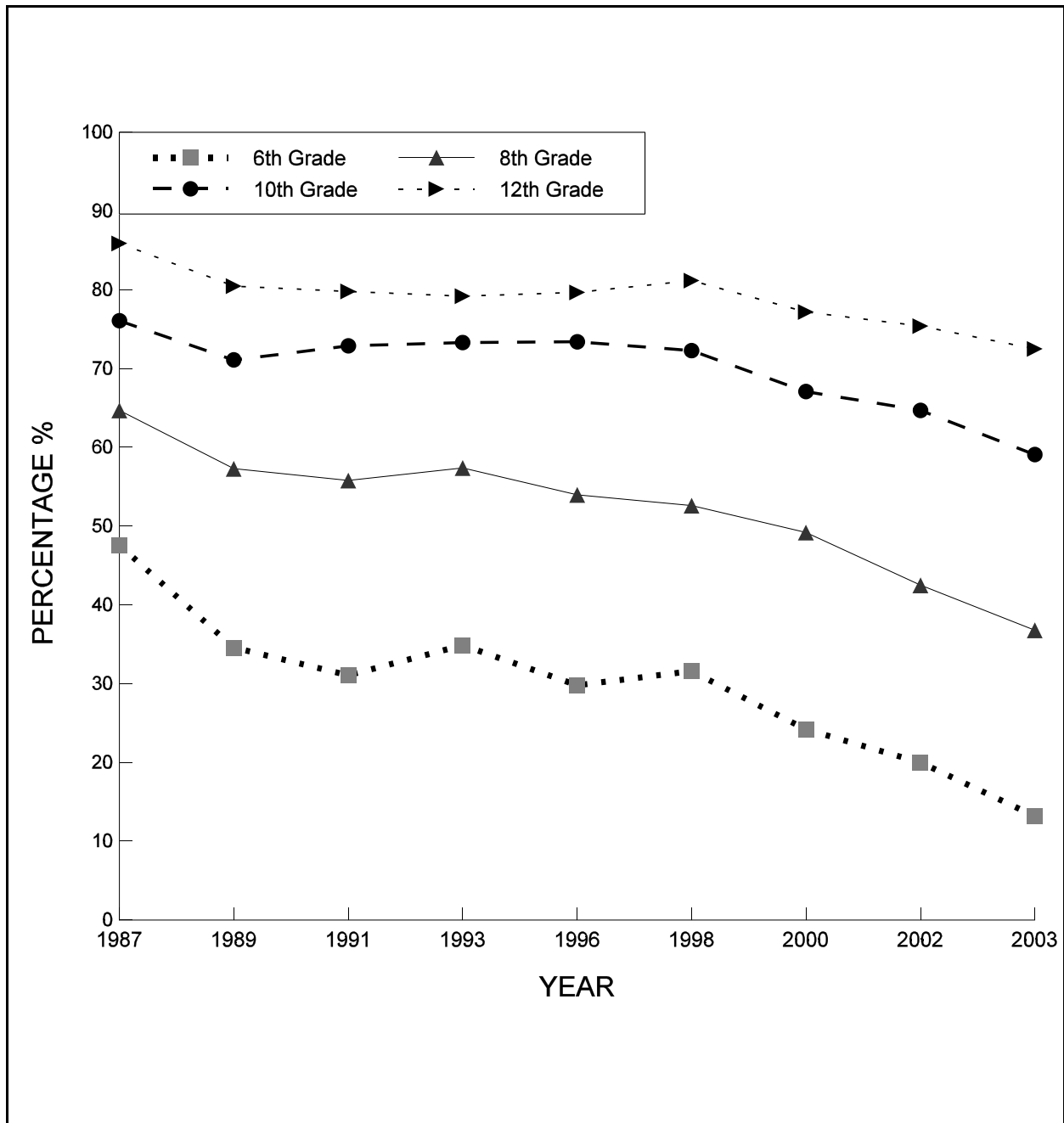
NOTES: *Lifetime Prevalence* refers to use of a substance at least once in a student's lifetime. Methamphetamine use was not assessed in 1987. Ecstasy was first assessed in 1998. GHB, Rohypnol, and ketamine were first assessed in 2002.

## ***Trends in Lifetime Prevalence of Alcohol and Tobacco Use, 1987-2003***

**Overview of Key Findings.** Lifetime prevalence reports of alcohol use decreased for the first time across all grades in 2000 and have continued to decline with substantial decreases noted across all grades in 2003. Self-reported drunkenness also dropped across all grades for the first time in 2000, remained stable in 2002, but decreased again in 2003 across all grades. Lifetime prevalence reports of cigarette use among adolescents reached all-time highs in 1996, both in Hawaii and nationwide. Beginning in 1998, lifetime prevalence of cigarette use began an encouraging decline in Hawaii and continues on that course in 2003. Lifetime cigarette prevalence reports in 2003 have reached record lows. Lifetime prevalence reports of smokeless tobacco use have been dropping over the years and continue to decrease, but at a slower rate. The downward trend in both alcohol and tobacco prevalence reports corresponds to national trends.

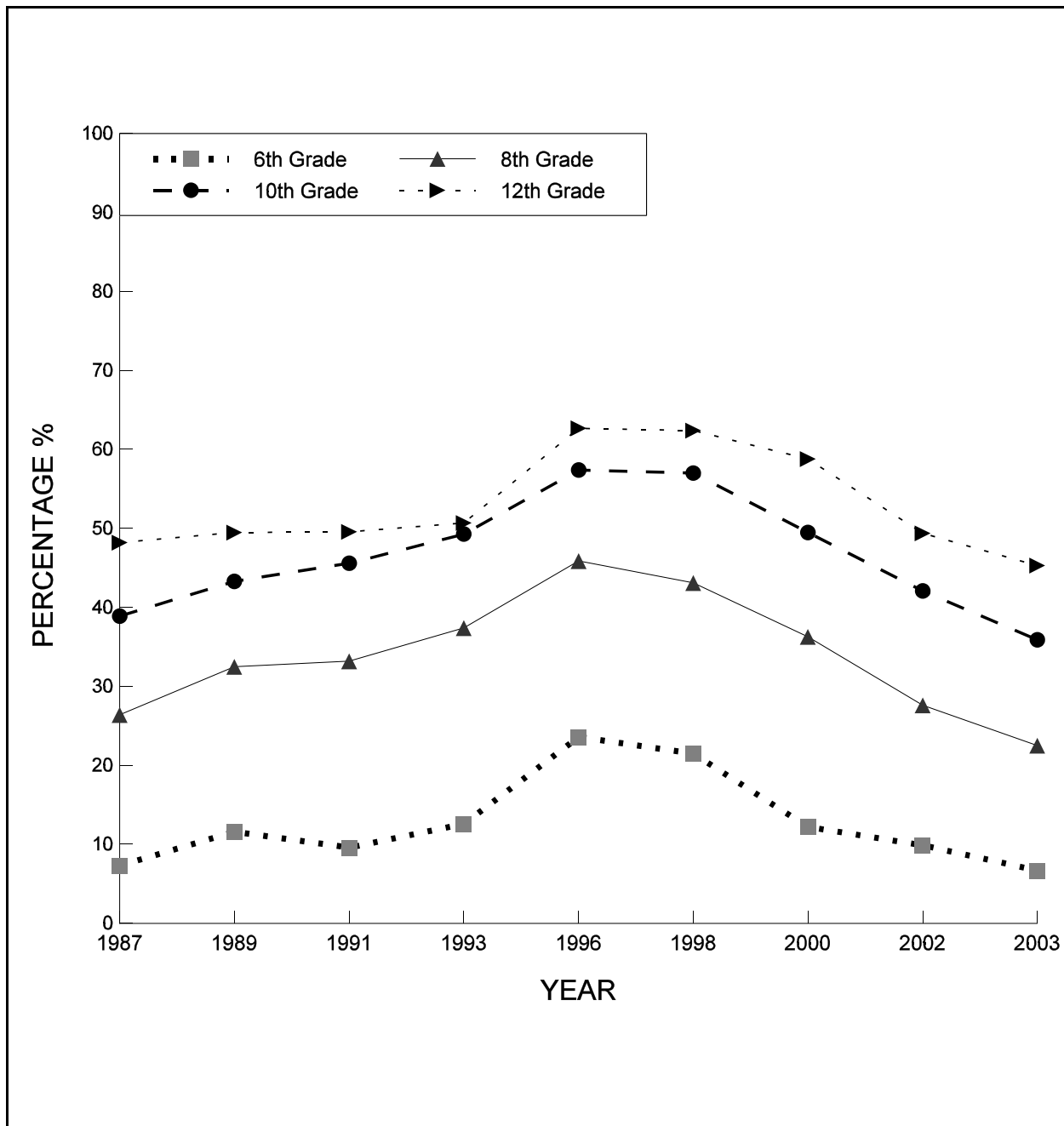
- Lifetime prevalence of ***alcohol*** use remained relatively unchanged from 1989 to 1998 for students in the upper grades. Beginning in 2000, alcohol prevalence rates have been on the decline across all grade levels (see Figure 28). As seen in Table 18, alcohol prevalence dropped by 7 percentage points in grade 6, 6 percentage points in grades 8 and 10, and 3 percentage points in grade 12. Lifetime prevalence reports for alcohol use by 8th graders in 2003 (37%) are substantially down from 1987 reports (65%). Lifetime prevalence reports for alcohol use by 6th graders in 2003 (13%) are more than 50% lower than 1987 reports (48%).
- Corresponding to Hawaii's downward trajectory in ***alcohol*** use rates, nationwide lifetime prevalence reports of alcohol use also dropped significantly from 2000 to 2003 in grades 8, 10, and 12. Hawaii lifetime prevalence reports of alcohol use in the same grades, however, remain lower than those reported nationally.
- In 2000, Hawaii students' reports of ***drunkenness*** decreased by more than 2 percentage points at all grade levels, leveled off in 2002, and then decreased by 1 to 4 percentage points across all grades in 2003. Nationwide, reports of having been drunk also started on a downward trajectory in 2001.
- Cigarette use among adolescents was at an all-time high in 1996, both in Hawaii and nationwide. Beginning in 1998, lifetime prevalence of ***cigarette*** use began an encouraging decline in Hawaii and has continued on that course over the years (see Figure 29). In 2002, 10% of 6th graders, 28% of 8th graders, 42% of 10th graders, and 49% of 12th graders reported trying cigarettes; in 2003, only 7% of the 6th graders, 23% of the 8th graders, 36% of the 10th graders, and 45% of the 12th graders reported trying cigarettes. Lifetime cigarette prevalence reports are now lower than they were in 1987. The continued decrease in prevalence reports of cigarette use corresponds to national trends and, like many substances, Hawaii cigarette prevalence reports remain lower than nationwide cigarette prevalence reports.
- ***Smokeless tobacco*** is used by less than 10% of Hawaii students in all grades, which is substantially less than nationwide reports. Lifetime smokeless tobacco prevalence reports have been gradually decreasing in Hawaii, as well as nationwide.

**FIGURE 28**  
Trends in Lifetime Prevalence of Alcohol Use, by Grade, 1987-2003



NOTE: Lifetime Prevalence of Alcohol refers to use of wine, beer, or liquor at least once in a student's lifetime.

**FIGURE 29**  
Trends in Lifetime Prevalence of Cigarette Use, by Grade, 1987-2003



NOTE: Lifetime Prevalence of Cigarette Use refers to the use of cigarettes at least once in the student's lifetime.

## **TRENDS IN MONTHLY PREVALENCE OF SUBSTANCE USE, 1987-2003**

From 1993 to 1996, monthly prevalence reports in Hawaii increased substantially for most illicit drug use, across all grades. This rise halted in 1998 and started to drop or stabilize in 2000 for all drugs except ecstasy, offsetting the large increases in 1996. Monthly prevalence reports for each illicit drug basically stabilized in 2002. The only exceptions were for 10th-grade monthly marijuana prevalence reports which increased modestly, 10th- and 12th-grade inhalant use which increased slightly, and 12th-grade monthly ecstasy and marijuana prevalence rates which decreased slightly. In 2003, a significant drop in monthly prevalence reports of any illicit drug use occurred across all grades. The decrease was primarily a result of substantial decreases in monthly marijuana and ecstasy prevalence reports in grades 8, 10, and 12, and decreases in monthly inhalant prevalence reports in grade 6. Monthly prevalence reports for cocaine, heroin or other opiates, and steroids remained fairly stable across most grades. One percentage point decreases were noted for monthly prevalence reports of methamphetamine, sedatives or tranquilizer, and hallucinogen use among students in the upper grades. Nationwide, monthly prevalence reports for use of various illicit drugs remained fairly stable in 2003, with the exception of decreases noted for hallucinogen use by 12th graders and ecstasy use by 8th, 10th, and 12th graders.

Monthly prevalence reports of alcohol use increased from 1993 to 1996, started a downward trajectory in 1998, and continue on that course in 2003. Monthly prevalence reports of alcohol use in 2003 are substantially lower than 1996 reports, and remain only slightly higher than reports from the early-90's.

Monthly prevalence reports of cigarette use were on the rise from 1987 to 1996, but then dropped for the lower grades in 1998, and dropped substantially for all grades in 2000. The decline in monthly cigarette prevalence rates continued in 2003. Although monthly cigarette prevalence rates in grades 6 and 8 are still slightly above 1987 rates, monthly cigarette prevalence rates in grades 10 and 12 are now the lowest reported since the study began in Hawaii. Monthly prevalence reports of smokeless tobacco use in Hawaii remain stable at 1% in grades 6 and 8, but dropped by 1 percentage point in grades 10 and 12. The decreases in monthly alcohol and cigarette prevalence reports noted in Hawaii correspond with decreases occurring nationwide, but Hawaii decreases have been much larger over the years.

Table 19 presents the monthly prevalence data for illicit drugs, alcohol, and tobacco. Figure 30 displays the trend data for monthly prevalence of any illicit drug (including inhalants), alcohol, and cigarettes. Trends in monthly prevalence of illicit drugs is discussed first, followed by alcohol and tobacco trends.

### ***Trends in Monthly Prevalence of Illicit Drug Use, 1987-2003***

**Overview of Key Findings.** Monthly prevalence rates for illicit drugs were relatively stable from 1987 to 1991 in grades 6, 8, and 10, and then increased slightly in 1993 in all grades. In 1996, a sharp increase was noted in the proportion of students in all grades who had used various illicit drugs during the past 30 days. Beginning in 1998, monthly prevalence reports for most of the illicit drugs started to decline. In 2003, monthly prevalence reports declined for marijuana and ecstasy and either dropped slightly or remained stable for other illicit drugs. The drops over the last few years have been so substantial that monthly prevalence rates for many illicit drugs are now at all-time lows since the study began in 1987.

**TABLE 19**  
**Trends in Monthly (30-Day) Prevalence of Various Substances**  
**for Sixth, Eighth, Tenth, and Twelfth Graders, 1987-2003**

(Entries are percentages %)

	1987	1989	1991	1993	1996	1998	2000	2002	2003	2002-2003 change
<b>Any Illicit Drug, Including Inhalants <sup>a</sup></b>										
6th Grade	1.7	1.8	1.5	2.1	7.7	6.7	4.2	5.0	3.8	-1.2
8th Grade	7.7	8.2	7.4	10.5	18.4	14.7	11.8	11.9	10.2	-1.7
10th Grade	14.3	14.2	14.7	18.6	22.7	23.6	19.0	20.7	16.6	-4.1
12th Grade	19.6	17.1	16.5	19.7	26.3	24.5	24.7	23.1	19.8	-3.3
<b>Any Illicit Drug, Excluding Inhalants <sup>b</sup></b>										
6th Grade	—	—	—	—	4.3	3.7	2.4	2.7	2.2	-0.5
8th Grade	—	—	—	—	15.7	13.0	10.3	10.5	8.0	-2.5
10th Grade	—	—	—	—	22.0	23.3	18.6	20.0	15.9	-4.1
12th Grade	—	—	—	—	25.9	24.3	24.5	22.9	19.6	-3.3
<b>Marijuana</b>										
6th Grade	0.4	0.6	0.4	0.5	3.4	2.6	1.3	1.3	1.0	-0.3
8th Grade	5.2	4.9	4.9	7.5	14.8	11.8	8.9	9.1	6.6	-2.5
10th Grade	12.4	11.1	12.7	16.0	21.2	22.3	17.2	18.4	14.8	-3.6
12th Grade	17.2	13.9	14.6	17.9	25.0	23.0	22.7	21.1	18.4	-2.7
<b>Inhalants</b>										
6th Grade	1.0	0.9	0.9	1.3	5.1	4.5	2.4	2.8	1.9	-0.9
8th Grade	2.7	3.4	2.6	3.7	7.2	4.8	3.2	3.4	3.6	+0.2
10th Grade	2.3	3.0	2.8	3.0	3.1	2.4	1.5	2.2	2.0	-0.2
12th Grade	1.8	2.5	1.8	2.1	2.4	1.4	0.8	1.3	1.3	0.0
<b>Cocaine</b>										
6th Grade	0.3	0.3	0.2	0.3	1.3	1.3	0.4	0.4	0.4	0.0
8th Grade	1.4	1.7	1.3	1.6	3.4	2.6	1.2	1.3	0.7	-0.6
10th Grade	2.7	3.0	2.4	2.7	2.7	2.3	1.3	1.2	0.9	-0.3
12th Grade	4.8	3.8	3.5	2.4	3.6	1.8	1.5	1.3	1.5	+0.2
<b>Methamphetamine</b>										
6th Grade	—	0.4	0.2	0.3	1.0	1.0	0.3	0.2	0.2	0.0
8th Grade	—	2.7	1.6	1.9	3.0	3.1	1.1	1.2	0.8	-0.4
10th Grade	—	4.8	2.9	3.2	2.8	3.0	1.6	1.8	1.2	-0.6
12th Grade	—	5.5	3.4	3.1	2.8	2.3	1.6	1.8	0.8	-1.0
<b>Heroin or Other Opiates</b>										
6th Grade	0.2	0.2	0.1	0.2	1.0	0.8	0.1	0.1	0.1	0.0
8th Grade	0.9	0.9	1.0	1.0	2.4	1.8	0.8	0.7	0.5	-0.2
10th Grade	1.5	1.5	1.3	1.5	1.4	1.4	0.5	0.7	0.6	-0.1
12th Grade	1.5	1.5	1.4	1.4	1.7	0.7	0.5	0.4	0.3	-0.1

(Table continued on next page)



**TABLE 19 (continued)**  
**Trends in Monthly (30-Day) Prevalence of Various Substances**  
**for Sixth, Eighth, Tenth, and Twelfth Graders, 1987-2003**

(Entries are percentages %)

	1987	1989	1991	1993	1996	1998	2000	2002	2003	2002-2003 change
<b>Sedatives/Tranquilizers</b>										
6th Grade	0.2	0.3	0.3	0.3	0.9	0.7	0.2	0.1	0.3	+0.2
8th Grade	0.9	1.1	1.1	0.9	2.5	2.1	1.0	0.9	0.6	-0.3
10th Grade	1.4	1.5	1.1	1.5	1.9	1.7	1.2	1.7	1.0	-0.7
12th Grade	1.3	1.3	1.0	0.9	2.0	1.6	1.6	1.8	1.0	-0.8
<b>Hallucinogens</b>										
6th Grade	0.2	0.3	0.2	0.4	1.0	0.9	0.3	0.2	0.2	0.0
8th Grade	1.0	1.6	1.3	1.5	4.2	2.8	1.4	1.3	0.7	-0.6
10th Grade	1.9	2.8	2.9	3.4	4.3	3.6	2.2	1.8	1.0	-0.8
12th Grade	2.2	2.6	2.8	3.5	5.3	3.1	2.0	1.7	1.1	-0.6
<b>Steroids</b>										
6th Grade	0.8	0.5	0.6	0.5	1.0	1.1	0.8	0.9	0.8	-0.1
8th Grade	2.0	1.5	1.4	1.1	2.2	1.8	1.3	1.3	1.0	-0.3
10th Grade	1.9	1.8	1.7	1.9	1.4	1.3	1.0	1.2	1.1	-0.1
12th Grade	1.8	2.0	1.2	1.7	1.7	1.0	0.9	1.1	0.8	-0.3
<b>Ecstasy/MDMA</b>										
6th Grade	—	—	—	—	—	0.7	0.1	0.1	0.2	+0.1
8th Grade	—	—	—	—	—	2.0	1.3	1.7	0.9	-0.8
10th Grade	—	—	—	—	—	1.9	2.9	2.3	1.1	-1.2
12th Grade	—	—	—	—	—	1.7	3.9	2.5	0.8	-1.7
<b>GHB</b>										
6th Grade	—	—	—	—	—	—	—	0.1	0.3	+0.2
8th Grade	—	—	—	—	—	—	—	1.0	0.5	-0.5
10th Grade	—	—	—	—	—	—	—	1.0	0.7	-0.3
12th Grade	—	—	—	—	—	—	—	0.8	0.2	-0.6
<b>Rohypnol</b>										
6th Grade	—	—	—	—	—	—	—	0.2	0.4	+0.2
8th Grade	—	—	—	—	—	—	—	0.8	0.4	-0.4
10th Grade	—	—	—	—	—	—	—	0.6	0.5	-0.1
12th Grade	—	—	—	—	—	—	—	0.4	0.3	-0.1
<b>Ketamine</b>										
6th Grade	—	—	—	—	—	—	—	0.1	0.4	+0.3
8th Grade	—	—	—	—	—	—	—	0.7	0.6	-0.1
10th Grade	—	—	—	—	—	—	—	0.8	0.5	-0.3
12th Grade	—	—	—	—	—	—	—	0.6	0.4	-0.2

(Table continued on next page)

**TABLE 19 (continued)**  
**Trends in Monthly (30-Day) Prevalence of Various Substances**  
**for Sixth, Eighth, Tenth, and Twelfth Graders, 1987-2003**

(Entries are percentages %)

	1987	1989	1991	1993	1996	1998	2000	2002	2003	2002-2003 change
<b>Alcohol <sup>c</sup></b>										
6th Grade	3.2	3.1	2.8	2.5	14.4	12.0	9.1	7.8	3.9	-3.9
8th Grade	14.0	13.2	14.0	15.2	30.2	25.3	22.1	20.4	14.6	-5.8
10th Grade	28.0	27.1	28.3	28.8	41.2	37.6	32.5	33.9	27.0	-6.9
12th Grade	42.7	37.8	38.6	35.4	46.3	45.0	43.2	43.0	36.3	-6.7
<b>Any Tobacco Use</b>										
6th Grade	—	—	—	—	11.2	8.6	4.0	3.9	2.9	-1.0
8th Grade	—	—	—	—	26.1	19.1	12.5	10.2	9.0	-1.2
10th Grade	—	—	—	—	26.7	24.9	17.1	14.2	11.6	-2.6
12th Grade	—	—	—	—	28.9	29.7	23.4	19.0	17.0	-2.0
<b>Cigarettes</b>										
6th Grade	0.8	1.6	1.5	2.1	10.8	8.1	3.8	3.6	2.6	-1.0
8th Grade	7.9	10.1	11.3	14.3	25.5	18.7	12.1	9.7	8.5	-1.2
10th Grade	16.4	17.5	19.7	22.2	25.8	24.1	16.6	13.5	11.3	-2.2
12th Grade	22.4	21.5	22.1	23.0	27.9	28.9	22.6	18.1	16.3	-1.8
<b>Smokeless Tobacco</b>										
6th Grade	0.4	0.4	0.5	0.5	1.9	1.5	0.5	0.6	0.6	0.0
8th Grade	1.0	1.5	1.7	2.0	4.5	2.9	1.5	1.5	1.4	-0.1
10th Grade	2.1	2.6	2.7	2.8	3.7	3.0	1.4	1.8	0.9	-0.9
12th Grade	3.8	3.3	3.5	3.6	5.2	3.1	2.0	2.2	1.6	-0.6

Approximate Weighted *N*s for 2003: 6<sup>th</sup> grade = 16,649; 8<sup>th</sup> grade = 17,127; 10<sup>th</sup> grade = 15,921; 12<sup>th</sup> grade = 12,824.

NOTES: ‘—’ indicates data not available. *Monthly (30-Day) Prevalence* is defined as use of a substance at least once in the past 30 days.

<sup>a</sup> *Any Illicit Drug, Including Inhalants* includes the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was first added to the survey in 1998. GHB, Rohypnol, and ketamine were first added to the survey in 2002.

<sup>b</sup> *Any Illicit Drug, Excluding Inhalants* includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was first added to the survey in 1998. GHB, Rohypnol, and ketamine were first added to the survey in 2002.

<sup>c</sup> Students were asked if they had tried beer or wine – “more than a few sips,” or hard liquor.

- Monthly use of **any illicit drug, including inhalants**, began to decline in 1998 in grades 6, 8, and 12, then dropped in 2000 in grades 6, 8, and 10, and dropped in 2002 in grade 12 (see Figure 30). In 2003, the downward trend continued across all grades. As seen in Table 19, monthly use of any illicit drug, including inhalants, dropped by 1 percentage point in grade 6 (5% in 2002, 4% in 2003), 2 percentage points in grade 8 (12% in 2002, 10% in 2003), 4 percentage points in grade 10 (21% in 2002, 17% in 2003), and 3 percentage points in grade 12 (23% in 2002, 20% in 2003).
- Given that **marijuana** has the highest monthly prevalence reports of all illicit drugs, it is no surprise that trends in monthly prevalence reports of marijuana use generally reflect those noted for use of any illicit drugs. In 2003, monthly marijuana prevalence reports declined substantially in grades 8, 10, and 12 (see Table 19). Monthly marijuana prevalence rates in grade 6 remain at 1%.
- For 6th graders, the decrease in monthly use of any illicit drug, including inhalants, was the result of a 1 percentage point decrease in monthly **inhalant** use. Monthly inhalant prevalence reports remained unchanged in grades 8, 10, and 12.
- In addition to substantial decreases noted in monthly marijuana prevalence reports in 2003, monthly **ecstasy** prevalence reports also declined in grades 8, 10, and 12. A slight decline in monthly ecstasy rates began in 2002 for students in grades 10 and 12. In 2003, monthly ecstasy prevalence reports are stable in grade 6, down 1 percentage point in grades 8 and 10, and down 2 percentage points in grade 12.
- Several other illicit drugs showed 1 percentage point decreases in monthly prevalence reports in the upper grades, including **methamphetamine**, **sedatives or tranquilizers**, and **hallucinogens** (see Table 19).
- Remaining unchanged were monthly prevalence reports for **heroin or other opiates** and **steroids**. No substantial changes were noted among any of the illicit drugs, excluding inhalants, for 6th graders.

### ***Trends in Monthly Prevalence of Alcohol and Tobacco Use, 1987-2003***

**Overview of Key Findings.** Some of the largest decreases in monthly prevalence rates in 2003 are for alcohol use, with decreases between 4 and 7 percentage points. Monthly cigarette prevalence rates also decreased in 2003, but the decreases were only 1 to 2 percentage points. Similar to monthly illicit drug use, alcohol and cigarette use rose sharply from 1993 to 1996 and then began to drop in 1998 at most grade levels. The downward pattern continued for monthly alcohol and cigarette prevalence reports in 2003, across all grades. Monthly cigarette and alcohol prevalence rates in Hawaii are approaching or have reached all-time lows in all grades, except grade 6. In grade 6, monthly cigarette prevalence rates are still at least twice as high as those reported in the late 1980's, but are much lower than the rates recorded in 1996. Nationwide, monthly alcohol use rates remained stable and monthly cigarette use rates declined only in the upper grades.

**FIGURE 30**  
**Trends in Monthly (30-Day) Prevalence of Any Illicit Drug, Alcohol, and Cigarette Use**  
**for Sixth, Eighth, Tenth, and Twelfth Graders, 1987-2003**

Figure 30a: Sixth Grade 30-Day Prevalence

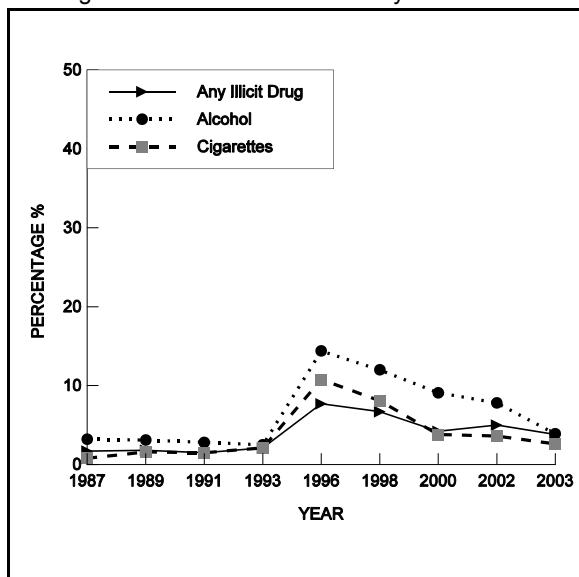


Figure 30b: Eighth Grade 30-Day Prevalence

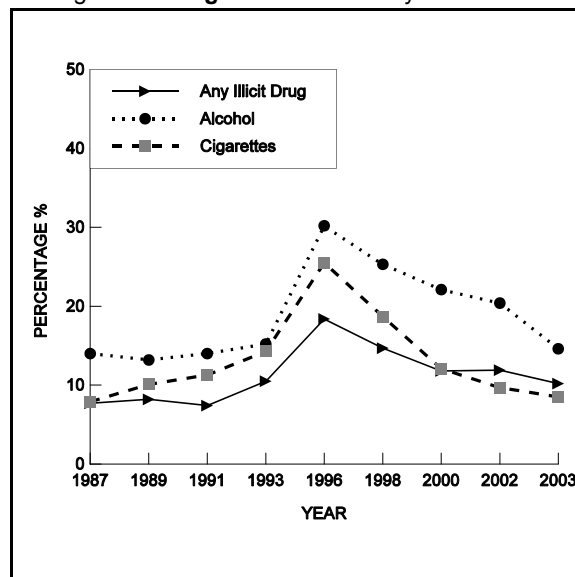


Figure 30c: Tenth Grade 30-Day Prevalence

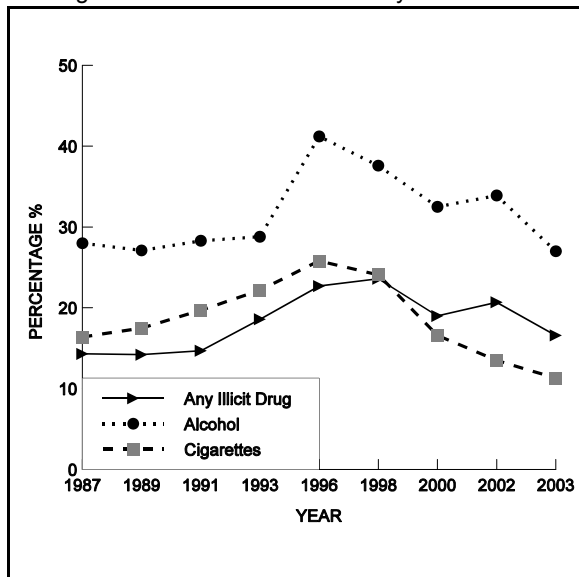
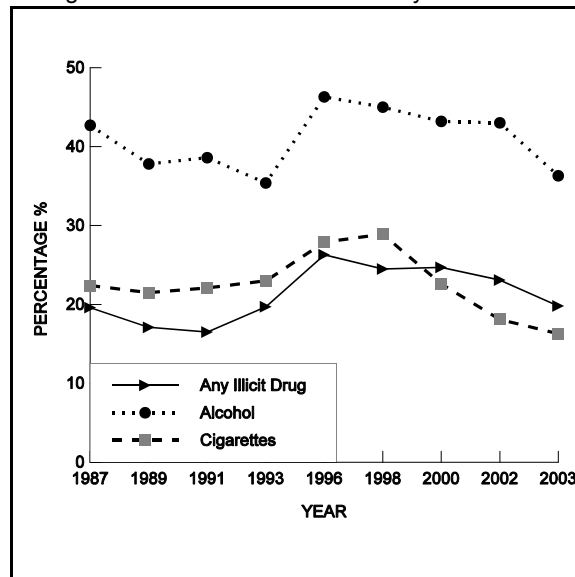


Figure 30d: Twelfth Grade 30-Day Prevalence



NOTES: *Monthly (30-Day) Prevalence* refers to use of a substance at least once in the past 30 days. *Any Illicit Drug* refers to the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, ecstasy/MDMA, GHB, Rohypnol, ketamine, or steroids at least once in the past 30 days. Ecstasy was first added to the survey in 1998. GHB, Rohypnol, and ketamine were first added to the survey in 2002.

- As reported earlier, lifetime prevalence reports of **alcohol** use have been declining across all grade levels. Monthly prevalence reports of alcohol use follows the same trend pattern. Decreases in monthly prevalence reports for alcohol use, however, are occasionally larger than those noted in lifetime prevalence reports (compare Tables 18 and 19). In 2002, monthly alcohol prevalence reports in grades 6, 8, 10, and 12 were 8%, 20%, 34%, and 43%; in 2003, monthly alcohol prevalence reports in the same grades are 4%, 15%, 27%, and 36%.
- Monthly **cigarette** use reached its peak in 1996 in grades 6, 8, and 10, but has been dramatically dropping ever since. Among 12th graders, monthly cigarette use peaked in 1998, and has since been consistently declining. Nearly half as many 12th graders reported monthly cigarette use in 2003 (16%), compared to 1998 (29%). In 2003, monthly cigarette prevalence rates are 1 to 2 percentage points lower than those reported a year earlier. Monthly cigarette prevalence reports have reached all-time lows in the upper grades and are approaching all-time lows in grade 8.
- Monthly **smokeless tobacco** rates declined over the years and stabilized in 2002. In 2003, decreases in monthly smokeless tobacco rates occurred in grades 10 and 12.

## **TRENDS IN DAILY PREVALENCE OF SUBSTANCE USE, 1996-2003**

Assessment of daily substance use was first addressed by the *Hawaii Student Alcohol and Drug Use Study* in 1996, so trend data reflects five points in time: 1996, 1998, 2000, 2002, and 2003. Most illicit drugs are not used on a daily basis by students: Prevalence rates are less than 1% for all substances except marijuana, alcohol, and cigarettes. Daily illicit drug prevalence rates for the lower grade levels were on a downward trajectory, but stabilized in 2002. In 2003, daily prevalence rates for any illicit drug use are stable at 1% in grade 6, and are down slightly in grade 8 as a result of a decrease in daily marijuana prevalence rates. In grade 10, daily illicit drug prevalence rates declined from 1998 to 2000, increased slightly in 2002, and are back down again in 2003. The fluctuations in daily illicit drug prevalence rates among 10th graders are reflective of the changes in daily marijuana prevalence rates. In grade 12, daily illicit drug use decreased in 1998, and has since remained at approximately 5%, fluctuating only slightly each year. Daily alcohol use has been on a mild downward trajectory over the years in all grades. In 2003, daily alcohol prevalence rates are at record lows. Daily cigarette use decreased substantially at all grade levels in 2000, and has continued to decrease with substantial decreases occurring in grades 10 and 12. Nationwide, daily alcohol use has remained relatively stable, but daily cigarette use has continued to drop over the years.

Table 20 displays the daily prevalence data for alcohol, tobacco, and illicit drugs. Figure 31 displays the trend data from 1996 to 2003. Daily prevalence of illicit drugs is discussed first, focusing primarily on marijuana use. Daily prevalence of alcohol and tobacco are discussed next.

**TABLE 20**  
**Trends in Daily Prevalence of Various Substances**  
**for Sixth, Eighth, Tenth, and Twelfth Graders, 1996-2003**

(Entries are percentages %)

	1996	1998	2000	2002	2003	2002-2003 change
<b>Any Illicit Drug, Including Inhalants <sup>a</sup></b>						
6th Grade	1.2	1.0	0.5	0.5	0.4	-0.1
8th Grade	4.0	3.4	2.0	2.2	1.5	-0.7
10th Grade	5.2	5.3	4.0	4.9	3.3	-1.6
12th Grade	7.3	5.7	5.1	5.4	4.8	-0.6
<b>Any Illicit Drug, Excluding Inhalants <sup>b</sup></b>						
6th Grade	0.8	0.7	0.4	0.3	0.3	0.0
8th Grade	3.6	3.1	1.9	2.1	1.3	-0.8
10th Grade	4.9	5.2	4.0	4.8	3.3	-1.5
12th Grade	6.7	5.7	5.1	5.4	4.7	-0.7
<b>Marijuana</b>						
6th Grade	0.7	0.4	0.2	0.2	0.1	-0.1
8th Grade	3.1	2.4	1.5	1.6	1.0	-0.6
10th Grade	4.2	4.7	3.4	4.4	3.0	-1.4
12th Grade	6.4	5.2	4.6	4.8	4.4	-0.4
<b>Inhalants</b>						
6th Grade	0.5	0.5	0.2	0.2	0.1	-0.1
8th Grade	1.3	0.7	0.3	0.3	0.3	0.0
10th Grade	0.7	0.6	0.1	0.2	0.3	+0.1
12th Grade	0.6	0.3	0.1	0.2	0.1	-0.1
<b>Cocaine</b>						
6th Grade	0.4	0.2	0.1	0.0	0.1	+0.1
8th Grade	1.1	0.6	0.2	0.1	0.0	-0.1
10th Grade	0.8	0.6	0.1	0.2	0.2	0.0
12th Grade	0.9	0.1	0.2	0.2	0.2	0.0
<b>Methamphetamine</b>						
6th Grade	0.2	0.1	0.0	0.1	0.0	-0.1
8th Grade	0.9	0.5	0.1	0.1	0.0	-0.1
10th Grade	0.8	0.6	0.3	0.2	0.2	0.0
12th Grade	0.6	0.4	0.3	0.3	0.1	-0.2
<b>Heroin or Other Opiates</b>						
6th Grade	0.3	0.1	0.0	0.0	0.0	0.0
8th Grade	0.9	0.4	0.1	0.0	0.0	0.0
10th Grade	0.7	0.4	0.1	0.1	0.2	+0.1
12th Grade	0.6	0.1	0.2	0.1	0.1	0.0

(Table continued on next page)

**TABLE 20 (continued)**  
**Trends in Daily Prevalence of Various Substances**  
**for Sixth, Eighth, Tenth, and Twelfth Graders, 1996-2003**

(Entries are percentages %)

	1996	1998	2000	2002	2003	2002-2003 change
<b>Sedatives/Tranquilizers</b>						
6th Grade	0.3	0.2	0.0	0.0	0.0	0.0
8th Grade	0.9	0.4	0.1	0.1	0.1	0.0
10th Grade	0.7	0.4	0.2	0.2	0.3	+0.1
12th Grade	0.6	0.2	0.2	0.2	0.1	-0.1
<b>Hallucinogens</b>						
6th Grade	0.3	0.1	0.0	0.0	0.0	0.0
8th Grade	1.1	0.5	0.2	0.1	0.1	0.0
10th Grade	0.6	0.6	0.3	0.1	0.3	+0.2
12th Grade	0.8	0.3	0.3	0.2	0.1	-0.1
<b>Steroids</b>						
6th Grade	0.3	0.3	0.1	0.1	0.0	-0.1
8th Grade	1.0	0.4	0.2	0.2	0.1	-0.1
10th Grade	0.7	0.4	0.2	0.2	0.2	0.0
12th Grade	0.7	0.3	0.2	0.3	0.1	-0.2
<b>Ecstasy/MDMA</b>						
6th Grade	—	0.1	0.0	0.0	0.0	0.0
8th Grade	—	0.5	0.1	0.2	0.0	-0.2
10th Grade	—	0.5	0.2	0.2	0.3	+0.1
12th Grade	—	0.2	0.3	0.2	0.0	-0.2
<b>GHB</b>						
6th Grade	—	—	—	0.0	0.0	0.0
8th Grade	—	—	—	0.1	0.0	-0.1
10th Grade	—	—	—	0.2	0.2	0.0
12th Grade	—	—	—	0.0	0.0	0.0
<b>Rohypnol</b>						
6th Grade	—	—	—	0.1	0.0	-0.1
8th Grade	—	—	—	0.1	0.0	-0.1
10th Grade	—	—	—	0.1	0.2	+0.1
12th Grade	—	—	—	0.1	0.0	-0.1
<b>Ketamine</b>						
6th Grade	—	—	—	0.1	0.1	0.0
8th Grade	—	—	—	0.1	0.1	0.0
10th Grade	—	—	—	0.2	0.2	0.0
12th Grade	—	—	—	0.1	0.0	-0.1

(Table continued on next page)

**TABLE 20 (continued)**  
**Trends in Daily Prevalence of Various Substances**  
**for Sixth, Eighth, Tenth, and Twelfth Graders, 1996-2003**

(Entries are percentages %)

	1996	1998	2000	2002	2003	2002-2003 change
<b>Alcohol <sup>c</sup></b>						
6th Grade	0.9	0.9	0.7	0.5	0.4	-0.1
8th Grade	3.1	2.8	1.6	1.8	1.5	-0.3
10th Grade	3.8	3.8	2.4	2.5	2.3	-0.2
12th Grade	4.7	3.2	3.5	3.3	2.8	-0.5
<b>Any Tobacco Use</b>						
6th Grade	1.1	0.9	0.4	0.4	0.3	-0.1
8th Grade	6.6	4.9	2.3	1.9	1.6	-0.3
10th Grade	10.8	10.6	6.2	4.6	3.4	-1.2
12th Grade	14.5	14.5	12.1	8.5	7.2	-1.3
<b>Cigarettes</b>						
6th Grade	1.1	0.9	0.4	0.3	0.2	-0.1
8th Grade	6.5	4.8	2.2	1.8	1.5	-0.3
10th Grade	10.6	10.4	6.1	4.5	3.4	-1.1
12th Grade	14.3	14.2	11.8	8.2	6.9	-1.3
<b>Smokeless Tobacco</b>						
6th Grade	0.2	0.1	0.1	0.0	0.1	+0.1
8th Grade	1.1	0.7	0.3	0.2	0.1	-0.1
10th Grade	0.8	0.7	0.3	0.3	0.1	-0.2
12th Grade	1.4	0.5	0.4	0.5	0.4	-0.1

Approximate Weighted *N*s for 2003: 6<sup>th</sup> grade = 16,649; 8<sup>th</sup> grade = 17,127; 10<sup>th</sup> grade = 15,921; 12<sup>th</sup> grade = 12,824.

NOTES: ‘ — ’ indicates data not available. *Daily Prevalence* is defined as use of a substance on 20 or more occasions in the past 30 days.

<sup>a</sup> *Any Illicit Drug, Including Inhalants* includes the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was first added to the survey in 1998. GHB, Rohypnol, and ketamine were first added to the survey in 2002.

<sup>b</sup> *Any Illicit Drug, Excluding Inhalants* includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was first added to the survey in 1998. GHB, Rohypnol, and ketamine were first added to the survey in 2002.

<sup>c</sup> Students were asked if they had tried beer or wine – “more than a few sips,” or hard liquor.



### ***Trends in Daily Prevalence of Illicit Drug Use, 1996-2003***

**Overview of Key Findings.** Daily use of any illicit drug is primarily a function of daily marijuana use. Daily marijuana use decreased in 2000 and stabilized in 2002 for students in grades 6, 8, and 12. In grade 10, daily marijuana use rose 1 percentage point in 2002. In 2003, daily marijuana prevalence reports stabilized in grades 6 and 12, but dropped by approximately 1 percentage point in grades 8 and 10. All other daily illicit drug reports remain stable.

- Daily use for ***any illicit drug, including inhalants***, dropped by approximately 1 percentage point for all grade levels from 1998 to 2000 and then stabilized in 2002 for all grade levels except grade 10; in grade 10, use of any illicit drug increased in 2002 as a result of an increase in 10th-grade daily marijuana reports. In 2003, daily illicit drug prevalence reports remained unchanged in grade 6, decreased by 1 percentage point in grades 8 and 12, and decreased by nearly 2 percentage points in grade 10.
- Marijuana is the only illicit drug used by more than 1% of the students on a daily or near daily basis. Daily ***marijuana*** use started to drop in 1998 for all grades except grade 10. In 2000, decreases in daily marijuana use were noted across all four grades, with half as many 6th and 8th graders in 2000, compared to 1996, reporting that they had used marijuana on a daily basis. Daily marijuana use remained unchanged in 2002 in grades 6, 8, and 12, but rose 1 percentage point in grade 10. In 2003, daily marijuana prevalence rates in grades 6, 8, 10, and 12 are 0.1%, 1.0%, 3.0%, and 4.4%. Although noted decreases in 2003 are 1 percentage point or less, 2003 daily marijuana prevalence rates are lower than all other years (see Table 20). Nationwide, daily marijuana prevalence rates remain stable.
- Daily prevalence rates for ***cocaine, inhalants, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, and steroids*** were nearly 1% for students in grades 8, 10, and 12 in 1996. Daily prevalence rates for these same substances in 2003 are 0.3% or less (see Table 20).

### ***Trends in Daily Prevalence of Alcohol and Tobacco Use, 1996-2003***

**Overview of Key Findings.** Daily alcohol use has been on a mild downward trajectory over the years in all grades. In 2003, daily alcohol prevalence rates are at record lows. Daily cigarette use decreased substantially at all grade levels in 2000, and has continued to decrease, with substantial decreases occurring in grades 10 and 12. Nationwide, reports of daily alcohol use remain relatively stable, but reports of daily cigarette use continue to drop.

- As seen in Figure 31, daily ***alcohol*** use rates have decreased since 1996. In 1996, daily alcohol prevalence reports in grades 6, 8, 10, and 12 were 0.9%, 3.1%, 3.8%, and 4.7%. In 2003, daily alcohol prevalence reports for the same grades are 0.4%, 1.5%, 2.3%, and 2.8%.

**FIGURE 31**  
**Trends in Daily Prevalence of Marijuana, Alcohol, and Cigarette Use**  
**for Sixth, Eighth, Tenth, and Twelfth Graders, 1996-2003**

Figure 31a: **Sixth Grade** Daily Prevalence

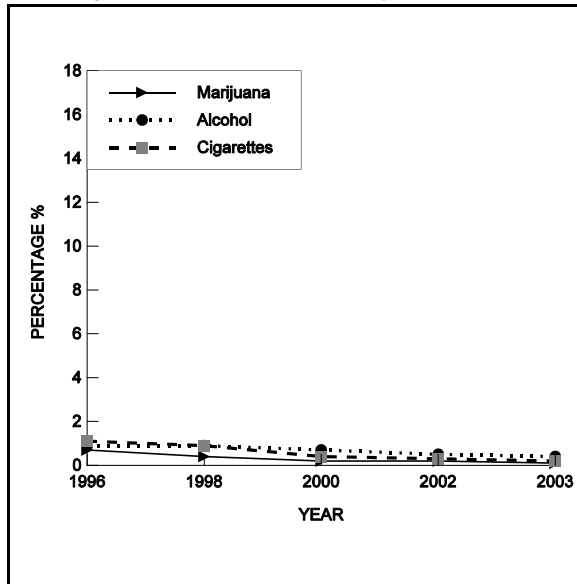


Figure 31b: **Eighth Grade** Daily Prevalence

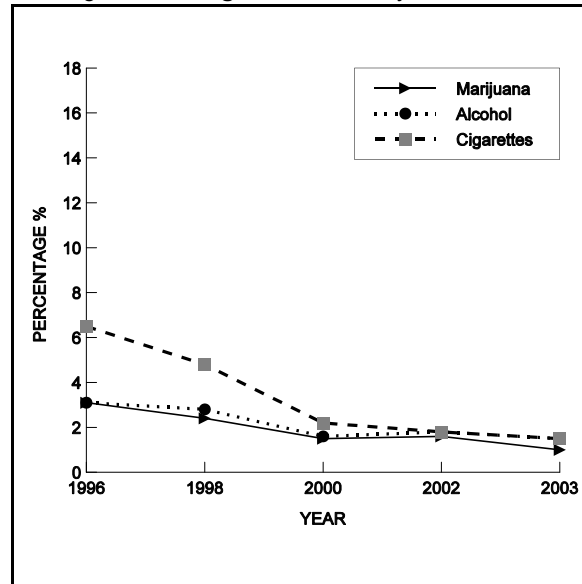


Figure 31c: **Tenth Grade** Daily Prevalence

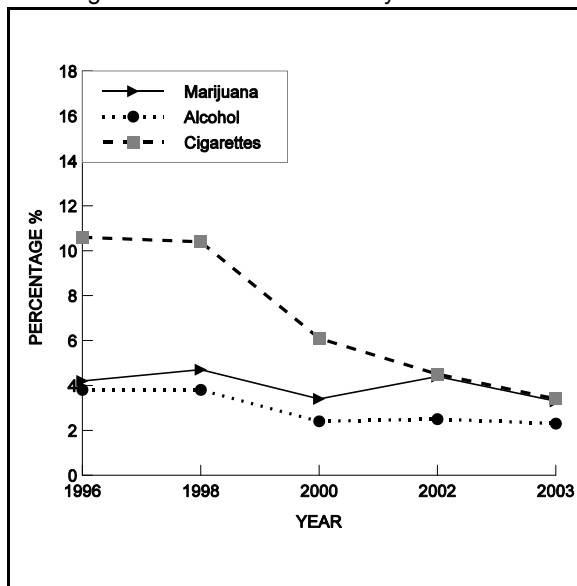
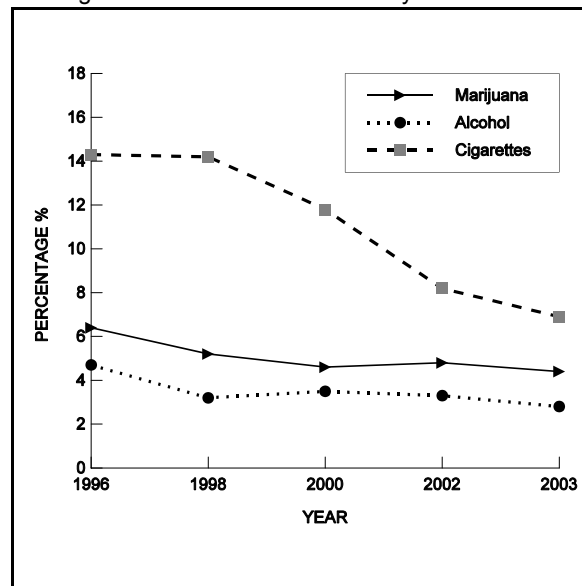


Figure 31d: **Twelfth Grade** Daily Prevalence



NOTES: Daily Prevalence refers to use of a substance on 20 or more occasions during the past 30 days.

- Figure 31 shows that daily **cigarette** use rates dropped drastically in 2000 for all grades and continued to drop in 2002 and 2003 in the 10th and 12th grades. In the 8th grade, daily cigarette use has consistently dropped, but because daily prevalence rates are so low, the percentage point decrease has been minimal. No major changes in daily cigarette use are noted in grade 6. Daily cigarette prevalence reports in 2003 reflect at least a 50% decrease since 1996.
- As seen in Table 20, daily **smokeless tobacco** use rates in Hawaii have always been relatively low and remain unchanged from 2002 to 2003.

## **TRENDS IN PREVALENCE REPORTS FOR DIFFERENT SUBGROUPS, 1996-2003**

Tables 21a through 21d at the end of this chapter report trends in lifetime prevalence for different subgroups. Tables 22a through 22d report trends in monthly prevalence for different subgroups. Tables 23a through 23d report trends in daily prevalence for different subgroups.

To simplify the discussion of subgroup trends, the focus will be on trends in lifetime prevalence reports among students in grades 8, 10, and 12, unless otherwise noted. Monthly and daily prevalence rates are generally in the same direction as lifetime prevalence trends.

### ***Trends in County (Place of Residence) Prevalence Reports, 1996-2003***

The discussion below addresses trends occurring at the county level for students enrolled in public, private, and charter schools (i.e., Place of Residence). County-level trends will be addressed by looking at which counties have consistently had the highest or lowest rates of substance use over the years and by examining changes in lifetime prevalence rates from 2002 to 2003 occurring in each of the counties. All percentage-point increases and decreases refer to changes from 2002 to 2003, unless specifically noted otherwise. Discussion of illicit drugs other than marijuana and inhalants will primarily focus on 10th- and 12th-grade reports.

**Overview of Key Findings.** Over the years, prevalence reports for almost all substances have tended to be highest in Hawaii and Maui Counties and lowest in the City & County of Honolulu. In 2003, prevalence reports remain lower in the City & County of Honolulu, compared to all other counties. Hawaii County still tends to have the highest illicit drug prevalence rates, with *either* Maui or Kauai County close behind. The only notable increases in illicit drug prevalence reports in 2003 occurred for marijuana among 12th graders in Hawaii County; inhalant use among 8th graders in Kauai and Maui Counties and among 10th graders in Hawaii County and among 12th graders in all counties except Maui; heroin use among 12th graders in Kauai County; sedatives or tranquilizer use among 12th graders in Kauai County; and steroid use among 8th graders in Kauai County. Hawaii County has consistently had some of the highest alcohol and cigarette prevalence rates of all the counties. Some of the largest decreases in alcohol and cigarette prevalence rates occurred in Hawaii County in grade 8 and Kauai County in grades 10 and 12. Maui County also witnessed a substantial decrease in cigarette prevalence rates in grade 10, but witnessed a slight increase in cigarette prevalence rates in grade 8.

- From 2002 to 2003, prevalence reports for use of **any illicit drug, including inhalants**, decreased statewide in all grades. In grade 8, Kauai County witnessed an increase in prevalence reports for use of any illicit drug, and Maui County remained stable. In grades 10 and 12, an increase was noted among Hawaii County students in any illicit drug use. In all other cases prevalence rates for use of any illicit drug, including inhalants, decreased. Over the years, Hawaii and Maui Counties have had some of the highest prevalence reports for use of any illicit drug, including inhalants; the City & County of Honolulu has had the lowest prevalence reports for use of any illicit drug. In 2003, prevalence reports for any illicit drug use in the City & County of Honolulu continue to be lower in most grades than in other counties. Hawaii County continues to have some of the highest illicit drug prevalence rates, but no clear distinctions, common across all grades, can be made between Kauai and Maui Counties.
- Over the years, **marijuana** use has generally been highest in Hawaii and Maui Counties. This trend continues in 2003, with Hawaii and Maui Counties having the highest marijuana prevalence rates in grades 10 and 12. In grade 8, Hawaii, Kauai, and Maui Counties each have equivalent marijuana prevalence rates at 18%; the City & County of Honolulu has only 10% of their 8th graders reporting marijuana use. Marijuana prevalence rates in grades 10 and 12 decreased substantially in all counties, except in Hawaii County; in Hawaii County, 10th-grade marijuana prevalence reports decreased only modestly and 12th-grade marijuana prevalence reports increased by 5 percentage points. Refer to Tables 21a to 21d for specific lifetime marijuana prevalence rates.
- Lifetime prevalence reports of **inhalant** use have shown no consistent pattern over the years in regards to use being higher or lower in various counties. In 2003, inhalant use increased statewide in grade 12. The increase in inhalant use among 12th graders was noted in all counties except Maui County, where inhalant use dropped 2 percentage points. In grade 6, inhalant use decreased across all counties. In grade 8, inhalant use decreased in the City & County of Honolulu, stabilized in Hawaii County, and increased in Maui and Kauai Counties. In grade 10, inhalant use decreased in all counties except Hawaii County, which witnessed an increase from 9% in 2002 to 11% in 2003.
- Statewide, lifetime prevalence reports of **cocaine** use remained unchanged in grades 10 and 12. Hawaii, Kauai, and Maui Counties each experienced a decrease in cocaine use in grades 10 and 12, whereas the City & County of Honolulu experienced a 1 percentage point increase in cocaine use in these grades. Although cocaine prevalence rates have been lower in the City & County of Honolulu, compared to other counties, in 2003, cocaine prevalence rates in the City & County of Honolulu are among the highest.
- Lifetime prevalence reports of **methamphetamine** use declined by 1 to 2 percentage points statewide from 2002 to 2003. Each of the counties also showed a decrease in methamphetamine prevalence rates in 2003. In grade 10, the largest decreases were observed in Kauai and Maui Counties, resulting in Hawaii County and the City & County of Honolulu having the highest 10th grade methamphetamine rates reported in 2003. In grade 12, the largest decreases were observed in Hawaii and Kauai Counties, leaving Maui County with the highest 12th-grade methamphetamine rates.

- With the exception of Hawaii County, lifetime prevalence reports of **heroin or other opiates** have typically been 2% or less. In 2003, Hawaii County continues to have the highest prevalence rates for heroin or other opiates, with 2% of its 10th graders and 3% of its 12th graders reporting that they have used heroin or other opiates. Although statewide heroin prevalence reports have remained stable, Kauai County experienced a 2 percentage point decrease in grade 10 and a 1 percentage point increase in grade 12. Twelfth graders during the fall of 2003 were 10th graders when the data was collected during the spring of 2002. Thus, the increase in grade 12 is expected because of the high increase noted in grade 10 the previous survey year.
- In 2003, statewide lifetime prevalence reports for **sedatives or tranquilizers** decreased in grade 10 and remained unchanged in grade 12. Decreases were observed among 10th graders in all counties. In grade 12, prevalence rates for sedatives or tranquilizers decreased in Hawaii and Maui Counties and increased in Kauai County. Hawaii County has normally had the highest proportion of 12th graders reporting sedative or tranquilizer use and this trend continues in 2003. Over the years, Hawaii County has also had some of the highest proportion of 10th graders reporting sedative or tranquilizer use and this trend also continues in 2003.
- Lifetime prevalence reports for use of **hallucinogens** have been on the decline statewide, and this decline occurred in all counties in 2003. Over the years, lifetime prevalence reports of hallucinogen use have typically been the lowest in the City & County of Honolulu and the highest in Hawaii County. This trend continues in 2003. Though substantial drops in hallucinogen prevalence rates in Maui and Kauai Counties have lead to fairly equivalent prevalence rates as those noted in the City & County of Honolulu.
- Lifetime prevalence reports of **steroid** use have varied over the years by county. In 2003, lifetime steroid prevalence reports remained unchanged statewide. Steroid prevalence reports doubled from 2002 to 2003 among 8th graders in Kauai County and the increase resulted in them having higher prevalence rates than all other counties. In grade 10, steroid prevalence rates decreased by 2 percentage points in Kauai County. In grade 12, steroid prevalence rates decreased substantially in all counties, except for the City & County of Honolulu.
- In 2002, the City & County of Honolulu had some of the highest **ecstasy/MDMA** prevalence rates reported across the state. In 2003, lifetime prevalence reports of ecstasy use decreased statewide in grades 8, 10, and 12. The decrease occurred across all counties, with the largest decreases noted in Kauai County, followed by the City & County of Honolulu. In 2003, Hawaii County surpassed the City & County of Honolulu in regards to ecstasy prevalence rates. For instance, ecstasy prevalence rates for 12th graders in the City & County of Honolulu were 12% in 2002 and are now only 7%; ecstasy prevalence rates for 12th graders in Hawaii County were 10% in 2002 and are now 9%; ecstasy prevalence rates for 12th graders in Kauai County were 7% in 2002 and are now 1%; and ecstasy prevalence rates for 12th graders in Maui County were 8% in 2002 and are now 4%.

- Over the years, Hawaii County has generally had among the highest **alcohol** prevalence rates in all grades. In 2002, reported alcohol use among 6th graders in Hawaii County dropped 15 percentage points (35% to 21%). As a result of this drop, Hawaii County had the second lowest alcohol prevalence rates in grade 6. However, in 2003, Hawaii County witnessed only a 1 percentage point decrease in alcohol prevalence rates in grade 6, whereas all other counties experienced a decrease of at least 8 percentage points. As a result, Hawaii County again leads other counties in alcohol prevalence rates among 6th graders in 2003. Hawaii County also continues to have among the highest alcohol prevalence rates in the upper grades. The largest decreases in alcohol prevalence rates in grades 10 and 12 occurred in Kauai County where prevalence rates dropped 14 percentage points in grade 10, and dropped 11 percentage points in grade 12. The City & County of Honolulu also showed sharp declines in alcohol prevalence rates in grades 10 (7 percentage point decrease) and 12 (3 percentage point decrease), allowing them to maintain the lowest alcohol prevalence rates in grade 10; in grade 12, Kauai County and the City & County of Honolulu have similar alcohol prevalence rates.
- In 2003, statewide reports of **drunkenness** decreased by 2 to 4 percentage points in grades 8, 10, and 12. The decline in reports of having been drunk, however, did not occur in every county. In grade 8, reports of having been drunk decreased in all counties except Kauai County where reports remained stable. Although Hawaii County has typically had the highest 8th-grade prevalence reports for having been drunk, in 2003, Kauai County surpassed Hawaii County. In grade 10, on the other hand, Kauai County experienced the largest decrease in reports of having been drunk (50% in 2002, down to 32% in 2003); Maui County experienced a slight increase (43% in 2002, up to 44% in 2003); the City & County of Honolulu experienced a substantial decrease (34% in 2002, down to 29% in 2003), and Hawaii County experienced a modest decrease (48% in 2002, down to 47% in 2003). Kauai County also had the largest decline in reports of having been drunk in grade 12 (62% in 2002, down to 49% in 2003). The City & County of Honolulu and Maui County both had 3 percentage point decreases in reports of drunkenness in the 12th grade and Hawaii County had a 2 percentage point increase. As in previous years, Hawaii County has the highest prevalence reports for having been drunk in grades 10 and 12, and the City & County of Honolulu has the lowest prevalence reports in these grades.
- **Cigarette** use varies by county, grade, and year, but has generally been lowest in the City & County of Honolulu. In 2003, statewide cigarette use decreased across all grades by 3 to 6 percentage points. In grade 10, the decrease occurred in all the counties, with the largest decreases occurring in Kauai and Maui Counties. In grade 6, Hawaii County cigarette prevalence reports remained unchanged, whereas all other counties experienced at least a 3 percentage point decrease in cigarette prevalence reports. An increase in cigarette prevalence reports was noted for 8th graders in Maui County and for 12th graders in Hawaii County. In all other counties, cigarette prevalence reports in grades 8 and 12 decreased by at least 3 percentage points. Kauai County had larger decreases in cigarette prevalence reports among its 10th and 12th graders than any other county. In grade 10, cigarette prevalence reports in Kauai County dropped 16 percentage points; in grade 12, cigarette prevalence reports in Kauai County dropped 10 percentage points.

### ***Trends in Prevalence Reports for Males and Females, 1996-2003***

**Overview of Key Findings.** Over the years, lifetime prevalence rates of cigarette use have been fairly similar among 6th-grade males and females, but lifetime prevalence rates for illicit drugs and alcohol have been higher among 6th-grade males than 6th-grade females; these trends basically continue in 2003. In the 8th grade, the reverse has been true – lifetime prevalence rates for alcohol and cigarettes have been higher among 8th-grade females than 8th-grade males; these trends continue for alcohol and cigarette use in 2003. Use of illicit drugs by 8th-grade males and females have remained similar to one another over the years with the exception of steroid use which has remained higher among males and inhalant use which has remained higher among females. In the 10th and 12th grades, lifetime prevalence reports for illicit drug use have been higher among males than females, but lifetime prevalence reports for alcohol and cigarette use have been higher among females than males. In 2003, 10th- and 12th-grade reports of lifetime alcohol and cigarette use remain higher among females than males, although monthly and daily prevalence reports are sometimes higher among males. Illicit drug use, however, is no longer consistently higher among males than females in the upper grades.

- **Grade 6:** Over the years, prevalence reports for illicit drugs and alcohol have been consistently higher among 6th-grade males than 6th-grade females. Sex differences in lifetime prevalence reports of cigarette use for 6th-grade males and 6th-grade females have been non-existent over the years. In 2003, slightly more 6th-grade females (7%) than 6th-grade males (6%) report having tried cigarettes.
- **Grade 8:** For 8th graders, 1996 and 1998 lifetime prevalence reports for use of various illicit drugs were generally higher among females than males. Beginning in 2000 and continuing in 2002, 8th-grade male and female lifetime prevalence reports for illicit drug use became more similar to one another, with females starting to surpass males. Marijuana prevalence reports for 8th-grade males and females have been virtually identical the last few years. Inhalant prevalence reports have consistently been higher among 8th-grade females than 8th-grade males. The discrepancy between male and female inhalant prevalence reports widened in 2003 as the result of a 1 percentage point decrease among males and a 1 percentage point increase among females. As in previous years, more 8th-grade males report having tried steroids than 8th-grade females. Prevalence reports for alcohol and cigarette use have been consistently higher among 8th-grade females than 8th-grade males and the trend continues.
- **Grade 10:** For 10th graders, lifetime prevalence reports prior to 2002 were slightly higher among males than females for all illicit drugs except methamphetamine; female reports of methamphetamine use have been consistently higher than males since 1998. In 2002, 10th-grade females exceeded 10th-grade males in lifetime prevalence reports for the use of cocaine, methamphetamine, sedatives or tranquilizers, and ecstasy/MDMA; all other illicit drug prevalence reports were similar among 10th-grade males and 10th-grade females. In 2003, 10th-grade males and females have similar lifetime prevalence reports for the use of methamphetamine, sedatives or tranquilizers, hallucinogens, and ecstasy. Although cocaine prevalence reports remained stable among 10th graders statewide in 2003, cocaine prevalence reports climbed 1 percentage point among 10th-grade males and dropped 1 percentage point among 10th-grade females. Cocaine prevalence reports

are currently higher among 10th-grade males (4%) than 10th-grade females (3%). The only illicit drug that has been consistently higher among 10th-grade males than 10th-grade females is steroids. Lifetime prevalence reports of alcohol and cigarette use have been consistently higher among 10th-grade females than 10th-grade males, and this trend continues in 2003.

- **Grade 12:** For 12th graders, lifetime prevalence reports have been slightly higher among males than females for all illicit drugs except methamphetamine and ecstasy use, where a greater proportion of females than males have reported trying methamphetamine and ecstasy over the years. This trend continues in 2003. In 2003, inhalant use rose by nearly 2 percentage points statewide in grade 12. The statewide increase was noted among 12th-grade males (up 2 percentage points) – not among 12th-grade females (down 1 percentage point). The increase in lifetime prevalence reports of inhalant use by 12th-grade males widened the gender difference gap for this illicit drug considerably. Lifetime prevalence reports of alcohol and cigarette use have been consistently higher among 12th-grade females than 12th-grade males, and this trend continues in 2003. However, monthly and daily prevalence reports of alcohol use have been higher among males than females in grade 12. In 2003, monthly alcohol prevalence reports decreased less among females than males and daily alcohol prevalence reports rose among females. As a result, 12th-grade females currently have slightly higher monthly alcohol prevalence reports than 12th-grade males, and have nearly equivalent daily alcohol prevalence reports as males. In 2003, monthly cigarette use is also slightly higher among 12th-grade females than 12th-grade males.

### ***Trends in Prevalence Reports for Different Ethnic Groups, 1996-2003***

**Overview of Key Findings.** Over the years, fairly consistent differences in prevalence reports have been observed among the five largest ethnic groups in Hawaii – Chinese, Filipinos, Japanese, Native Hawaiians, and Whites. At the lower grade levels, prevalence reports for almost all substances have been higher for Native Hawaiian, White, and Filipino students than Chinese or Japanese students. At the higher grade levels, prevalence reports for each of the substances are often equally high among Native Hawaiian and White students, and substantially lower among students in other ethnic groups. Hallucinogen and sedative/tranquilizer use have always been much higher among White students – particularly at the upper grade levels. Over the last few years, White students have also surpassed Native Hawaiians in grades 10 and 12 for cocaine and heroin use. Prevalence reports of ecstasy use have also been quite high among White students in the upper grades and high among Native Hawaiians in grade 8 and 10. In 2003, ecstasy prevalence rates became very similar across most ethnic groups in grade 10. Alcohol prevalence rates have been highest among Native Hawaiians in all grades. This trend continued in 2003 in grades 8, 10, and 12; in grade 6, Native Hawaiian and White students have similar lifetime alcohol prevalence reports. Cigarette prevalence rates over the years have been equally high for Native Hawaiian, White, and Filipino students. Chinese students have always had the lowest prevalence rates across all grade levels, followed by Japanese students.



- At the lower grade levels, lifetime prevalence reports of **any illicit drug** use have been consistently highest for Native Hawaiian students, followed by White, Filipino, Japanese, and Chinese students. In 2003, prevalence reports for any illicit drug use at the lower grade levels are still high among Native Hawaiian students, but prevalence reports for any illicit drug use by White students in grade 6 have now surpassed Native Hawaiian students' reports, and prevalence reports for any illicit drug use by Filipino students in grade 6 are now equal to Native Hawaiian students' reports; Japanese and Chinese students continue to have the lowest prevalence reports for any illicit drug use. In grades 10 and 12, Native Hawaiian and White students have consistently had substantially higher prevalence reports for any illicit drug than other ethnic groups.
- Across all grades, lifetime prevalence reports of **marijuana** use have been higher for Native Hawaiian students compared to other ethnic groups and the trend continues in 2003. Marijuana prevalence reports of Native Hawaiian students remain nearly twice as high as those from most other ethnic groups in grades 6 and 8, and remain nearly twice as high as Chinese and Japanese students in grades 10 and 12.
- Trends in ethnic differences for specific illicit drugs are generally consistent with those noted above for any illicit drugs (with Native Hawaiians highest, followed by Whites). However, over the years, reports of **hallucinogen**, **sedative/tranquilizer**, and **heroin or other opiates** use have been much higher among White students than students from other ethnic groups – particularly in grades 10 and 12. Approximately twice as many White students in grades 10 and 12 have tried these illicit drugs compared to students from all other ethnic groups in the same grades. As an illustration, lifetime prevalence rates of hallucinogen use at grade 12 are currently 1% for Chinese, 4% for Filipinos and Japanese, 5% for Native Hawaiians, and 13% for Whites.
- Prior to 2002, lifetime prevalence reports of **cocaine** and **methamphetamine** use in grade 10 were higher among Native Hawaiians, followed by Whites, and in grade 12 were higher among Whites than Native Hawaiians. In 2002, 10th- and 12th-grade White students exceeded both 10th- and 12th-grade Native Hawaiian students in regards to lifetime prevalence reports of cocaine and methamphetamine use. In 2003, 10th-grade prevalence reports of cocaine and methamphetamine use looked very similar across each of the ethnic groups. White students in grade 12 continue to have the highest cocaine prevalence rates in 2003, but methamphetamine prevalence rates are now fairly similar among 12th-grade Filipino, Native Hawaiian, and White students. Although cocaine use remained unchanged statewide, several notable changes occurred in cocaine prevalence rates for various ethnic subgroups. In grade 10, cocaine prevalence rates increased by 2 percentage points for Chinese students and increased nearly 1 percentage point for Japanese students. Cocaine prevalence rates dropped by 2 percentage points among 10th-grade Native Hawaiian students and by 4 percentage points among 10th-grade White students. In grade 12, cocaine prevalence rates increased by 1 percentage point for Native Hawaiian students, and decreased by 1 percentage point for White students and 2 percentage points for Japanese students.

## Chapter 5

- Lifetime prevalence reports of *ecstasy* use have been highest among Native Hawaiian students in grade 8, tied for highest among Native Hawaiian and White students in grade 10, and highest among White students in grade 12. In 2003, ecstasy prevalence reports in grade 10 look more similar across various ethnic groups than in previous years. In grade 12, ecstasy prevalence reports are nearly twice as high among Native Hawaiian and White students, compared to Chinese and Filipino students.
- Lifetime prevalence reports of *alcohol* use, at all grade levels, have been highest among Native Hawaiian and White students. Filipino students have been close behind White students, whereas Japanese and Chinese prevalence reports have always been substantially lower. In 2003, this trend continued in grades 6 and 12. In grade 8, Filipino students' alcohol prevalence rates were higher than White students' alcohol prevalence rates; Native Hawaiian students' alcohol prevalence rates remained the highest of all ethnic groups in grade 8. In grades 10 and 12, Native Hawaiian and White students have had the highest prevalence rates of having been drunk and the trend continues in 2003. Chinese students' reports of alcohol use and drunkenness have always been lower than students from other ethnic groups, at all grade levels.
- Lifetime prevalence reports for the use of *cigarettes* have generally been highest for Native Hawaiian students over the years. Filipino students have had the second highest cigarette prevalence reports and, for some grades and some years, have had reports that have exceeded those of Native Hawaiian students. Although lifetime cigarette prevalence reports are down statewide in all grades, lifetime cigarette prevalence reports increased by 2 percentage points in grade 12 among Native Hawaiian students.
- *Smokeless tobacco* use in 1996 and 1998 was highest among White students in the upper grade levels and highest among Native Hawaiian students in grade 8. In 2000, smokeless tobacco use rates became fairly similar between Native Hawaiian and White students. In 2003, prevalence reports of smokeless tobacco use were highest among White students in grades 8 and 12, and equally high among White and Native Hawaiian students in grade 10. Smokeless tobacco, although down modestly for 12th graders statewide, increased from 4% to 6% for Filipino students.

**TABLE 21A**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Illicit Drug, Including Inhalants <sup>a</sup>						Any Illicit Drug, Excluding Inhalants <sup>b</sup>					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	13.4	13.7	8.3	9.5	7.5	-2.0	6.4	6.6	4.2	5.2	4.3	-0.9
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	12.4	13.1	6.9	8.8	6.7	-2.1	5.0	5.6	3.2	4.4	3.5	-0.9
Hawaii County	17.8	16.7	14.3	10.1	10.5	+0.4	11.6	10.6	8.1	6.2	7.2	+1.0
Kauai County	10.2	14.4	9.2	11.5	6.8	-4.7	5.2	8.4	5.0	6.9	4.3	-2.6
Maui County	17.6	14.5	10.7	12.1	9.0	-3.1	11.8	8.2	6.5	8.6	5.7	-2.9
<b>School Type:</b>												
Public School	13.5	13.7	8.6	9.6	8.3	-1.3	6.6	6.8	4.3	5.3	4.9	-0.4
Private/Charter School	10.5	13.8	4.4	8.1	4.2	-3.9	3.4	4.9	2.6	4.0	2.0	-2.0
<b>Sex:</b>												
Male	15.0	14.1	9.4	10.8	8.7	-2.1	7.6	7.4	5.3	6.2	5.1	-1.1
Female	11.8	13.5	7.3	8.3	6.3	-2.0	5.3	6.0	3.3	4.4	3.5	-0.9
<b>Ethnicity: <sup>d</sup></b>												
Chinese	8.6	9.6	3.8	6.1	2.5	-3.6	1.9	4.5	1.9	3.9	1.2	-2.7
Filipino	12.8	13.7	8.3	10.2	8.1	-2.1	5.3	6.3	4.2	5.0	5.0	0.0
Japanese	10.2	9.3	4.7	5.7	3.5	-2.2	3.6	2.2	1.1	2.3	1.7	-0.6
Native Hawaiian	18.0	15.2	12.6	11.2	7.9	-3.3	11.0	9.3	7.6	8.0	5.0	-3.0
White	13.4	16.5	6.7	9.1	9.1	0.0	5.7	7.1	3.7	4.5	4.7	+0.2

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**TABLE 21A (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Inhalants					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	5.1	4.9	2.4	2.6	1.5	-1.1	9.7	10.1	5.3	5.6	4.2	-1.4
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	3.7	3.9	1.5	1.9	0.9	-1.0	9.8	10.3	4.6	5.5	4.1	-1.4
Hawaii County	10.1	8.5	5.3	3.7	3.8	+0.1	10.0	9.4	8.8	5.5	4.1	-1.4
Kauai County	5.0	6.4	3.0	3.9	2.1	-1.8	7.7	9.0	6.0	7.0	3.1	-3.9
Maui County	9.7	6.3	4.5	5.0	1.8	-3.2	10.6	9.6	5.3	6.1	5.1	-1.0
<b>School Type:</b>												
Public School	5.3	5.0	2.4	2.6	1.8	-0.8	9.8	9.9	5.5	5.6	4.5	-1.1
Private/Charter School	2.3	3.4	1.4	2.2	0.4	-1.8	8.6	11.1	2.4	5.8	2.8	-3.0
<b>Sex:</b>												
Male	6.0	5.5	3.0	3.0	1.6	-1.4	10.8	9.9	5.6	6.2	4.6	-1.6
Female	4.3	4.3	1.8	2.3	1.5	-0.8	8.7	10.2	5.0	5.2	3.7	-1.5
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.3	2.6	0.6	0.7	0.3	-0.4	7.9	7.4	2.5	3.7	1.3	-2.4
Filipino	4.1	4.1	1.8	1.7	1.3	-0.4	9.8	10.6	5.2	6.3	4.7	-1.6
Japanese	2.5	1.2	0.4	0.7	0.2	-0.5	7.9	8.3	3.7	3.7	2.0	-1.7
Native Hawaiian	9.6	7.7	4.3	5.0	2.3	-2.7	11.6	9.5	7.1	4.9	3.5	-1.4
White	4.3	4.9	2.5	2.7	1.9	-0.8	10.5	12.7	4.0	6.3	5.3	-1.0

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**TABLE 21A (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cocaine						Methamphetamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	1.9	2.0	0.4	0.4	0.5	+0.1	1.4	1.8	0.5	0.4	0.2	-0.2
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	1.9	2.0	0.4	0.5	0.5	0.0	1.3	1.8	0.4	0.4	0.2	-0.2
Hawaii County	2.0	2.0	0.8	0.2	0.6	+0.4	1.5	1.9	1.0	0.4	0.6	+0.2
Kauai County	0.7	1.6	0.0	0.4	0.3	-0.1	0.2	0.9	0.0	0.2	0.3	+0.1
Maui County	3.5	2.4	0.0	0.4	0.7	+0.3	2.6	2.2	0.4	0.5	0.3	-0.2
<b>School Type:</b>												
Public School	2.0	2.1	0.4	0.5	0.6	+0.1	1.4	1.9	0.5	0.4	0.3	-0.1
Private/Charter School	0.8	0.6	0.5	0.3	0.4	+0.1	0.5	0.6	0.5	0.3	0.1	-0.2
<b>Sex:</b>												
Male	2.4	2.2	0.4	0.6	0.7	+0.1	1.8	2.1	0.5	0.6	0.3	-0.3
Female	1.5	1.8	0.4	0.3	0.3	0.0	0.9	1.6	0.4	0.3	0.2	-0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.7	1.6	0.3	0.8	0.0	-0.8	0.7	1.3	0.3	0.3	0.0	-0.3
Filipino	2.0	2.1	0.4	0.5	0.9	+0.4	1.3	1.9	0.5	0.6	0.5	-0.1
Japanese	1.4	0.9	0.2	0.2	0.4	+0.2	0.8	0.3	0.0	0.1	0.1	0.0
Native Hawaiian	3.0	2.4	0.3	0.4	0.5	+0.1	1.8	2.3	0.3	0.6	0.4	-0.2
White	0.9	1.9	0.4	0.1	0.5	+0.4	1.1	1.4	0.3	0.3	0.1	-0.2

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**TABLE 21A (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Heroin or Other Opiates						Sedatives/Tranquilizers					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	1.3	1.4	0.2	0.3	0.2	-0.1	1.4	1.6	0.4	0.5	0.6	+0.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	1.2	1.4	0.1	0.3	0.2	-0.1	1.2	1.6	0.3	0.4	0.5	+0.1
Hawaii County	1.6	1.7	0.3	0.3	0.0	-0.3	1.6	1.9	1.1	0.6	1.3	+0.7
Kauai County	0.5	0.2	0.0	0.0	0.0	0.0	0.7	0.5	0.2	0.2	0.6	+0.4
Maui County	2.4	1.9	0.5	0.1	1.0	+0.9	2.6	2.3	0.7	0.7	0.7	0.0
<b>School Type:</b>												
Public School	1.4	1.5	0.2	0.3	0.3	0.0	1.4	1.7	0.4	0.5	0.7	+0.2
Private/Charter School	0.3	0.5	0.0	0.2	0.0	-0.2	0.5	1.0	0.5	0.2	0.4	+0.2
<b>Sex:</b>												
Male	1.8	1.6	0.2	0.3	0.3	0.0	1.9	2.0	0.5	0.6	0.7	+0.1
Female	0.9	1.3	0.2	0.2	0.2	0.0	0.9	1.3	0.4	0.4	0.5	+0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.3	1.1	0.0	0.5	0.0	-0.5	1.0	1.1	0.9	0.3	0.4	+0.1
Filipino	1.2	1.5	0.2	0.2	0.3	+0.1	1.1	1.7	0.5	0.7	0.8	+0.1
Japanese	0.7	0.3	0.0	0.3	0.0	-0.3	0.7	0.5	0.0	0.1	0.3	+0.2
Native Hawaiian	1.9	1.9	0.5	0.5	0.6	+0.1	1.8	2.0	0.6	0.5	0.6	+0.1
White	1.1	1.1	0.1	0.2	0.2	0.0	0.9	1.7	0.3	0.5	1.1	+0.6

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**TABLE 21A (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Hallucinogens						Steroids					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	1.6	1.9	0.4	0.4	0.3	-0.1	1.5	2.0	1.3	2.0	1.6	-0.4
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	1.3	1.7	0.3	0.4	0.2	-0.2	1.5	1.9	1.1	1.9	1.6	-0.3
Hawaii County	2.1	2.6	1.1	0.6	0.8	+0.2	1.9	2.1	1.7	2.0	1.7	-0.3
Kauai County	0.9	0.7	0.2	0.0	0.0	0.0	0.7	1.4	1.6	2.1	1.7	-0.4
Maui County	3.5	3.0	0.8	0.5	0.7	+0.2	2.2	2.4	1.6	2.7	2.0	-0.7
<b>School Type:</b>												
Public School	1.6	2.0	0.4	0.4	0.4	0.0	1.6	2.0	1.3	2.0	1.9	-0.1
Private/Charter School	0.8	1.0	0.5	0.3	0.2	-0.1	0.8	1.3	0.5	2.1	0.7	-1.4
<b>Sex:</b>												
Male	2.2	2.2	0.6	0.6	0.4	-0.2	2.1	2.4	1.8	2.5	2.2	-0.3
Female	1.0	1.5	0.3	0.3	0.3	0.0	1.0	1.5	0.7	1.5	1.1	-0.4
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.3	1.3	0.3	1.0	0.0	-1.0	0.3	1.3	0.3	2.5	0.0	-2.5
Filipino	1.4	2.0	0.4	0.3	0.4	+0.1	1.2	1.9	1.6	2.3	2.1	-0.2
Japanese	0.8	0.5	0.1	0.1	0.0	-0.1	1.1	0.7	0.5	1.2	0.8	-0.4
Native Hawaiian	2.2	2.2	0.3	0.6	0.5	-0.1	2.2	2.8	2.8	2.5	2.4	-0.1
White	1.5	2.1	0.4	0.3	0.5	+0.2	1.3	1.5	0.8	1.4	0.8	-0.6

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**TABLE 21A (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Ecstasy						GHB					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	1.4	0.1	0.2	0.2	0.0	—	—	—	0.1	0.2	+0.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	1.4	0.1	0.3	0.2	-0.1	—	—	—	0.1	0.3	+0.2
Hawaii County	—	1.7	0.4	0.4	0.0	-0.4	—	—	—	0.2	0.3	+0.1
Kauai County	—	0.5	0.0	0.0	0.6	+0.6	—	—	—	0.2	0.0	-0.2
Maui County	—	2.2	0.0	0.1	0.5	+0.4	—	—	—	0.3	0.1	-0.2
<b>School Type:</b>												
Public School	—	1.5	0.1	0.2	0.2	0.0	—	—	—	0.2	0.3	+0.1
Private/Charter School	—	0.6	0.2	0.3	0.0	-0.3	—	—	—	0.0	0.1	+0.1
<b>Sex:</b>												
Male	—	1.8	0.2	0.3	0.3	0.0	—	—	—	0.2	0.4	+0.2
Female	—	1.1	0.1	0.2	0.0	-0.2	—	—	—	0.1	0.1	0.0
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	1.3	0.3	0.3	0.0	-0.3	—	—	—	0.0	0.5	+0.5
Filipino	—	1.6	0.2	0.3	0.6	+0.3	—	—	—	0.2	0.6	+0.4
Japanese	—	0.3	0.0	0.0	0.1	+0.1	—	—	—	0.0	0.0	0.0
Native Hawaiian	—	2.1	0.3	0.1	0.0	-0.1	—	—	—	0.2	0.0	-0.2
White	—	1.1	0.1	0.1	0.1	0.0	—	—	—	0.1	0.2	+0.1



**TABLE 21A (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Rohypnol						Ketamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	—	—	0.2	0.1	-0.1	—	—	—	0.2	0.4	+0.2
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	—	—	0.2	0.1	-0.1	—	—	—	0.2	0.4	+0.2
Hawaii County	—	—	—	0.4	0.3	-0.1	—	—	—	0.3	0.3	0.0
Kauai County	—	—	—	0.4	0.0	-0.4	—	—	—	0.2	0.3	+0.1
Maui County	—	—	—	0.3	0.0	-0.3	—	—	—	0.5	0.6	+0.1
<b>School Type:</b>												
Public School	—	—	—	0.2	0.2	0.0	—	—	—	0.2	0.5	+0.3
Private/Charter School	—	—	—	0.2	0.0	-0.2	—	—	—	0.3	0.1	-0.2
<b>Sex:</b>												
Male	—	—	—	0.2	0.1	-0.1	—	—	—	0.3	0.6	+0.3
Female	—	—	—	0.2	0.1	-0.1	—	—	—	0.2	0.1	-0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	—	—	0.3	0.0	-0.3	—	—	—	0.0	0.0	0.0
Filipino	—	—	—	0.1	0.4	+0.3	—	—	—	0.3	0.7	+0.4
Japanese	—	—	—	0.0	0.0	0.0	—	—	—	0.0	0.1	+0.1
Native Hawaiian	—	—	—	0.4	0.1	-0.3	—	—	—	0.3	0.2	-0.1
White	—	—	—	0.2	0.0	-0.2	—	—	—	0.1	0.4	+0.3

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**TABLE 21A (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Alcohol						Been Drunk					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	29.8	31.6	24.2	20.0	13.2	-6.8	5.6	5.8	2.9	3.3	2.0	-1.3
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	28.4	30.6	21.3	19.0	11.4	-7.6	4.8	5.0	2.5	2.9	1.6	-1.3
Hawaii County	37.5	34.8	35.4	20.9	20.2	-0.7	8.7	9.3	5.8	4.2	3.7	-0.5
Kauai County	26.2	40.3	29.5	23.1	14.7	-8.4	4.3	8.7	1.8	4.3	1.9	-2.4
Maui County	32.7	30.7	28.1	24.7	15.0	-9.7	8.1	5.7	3.4	4.4	2.9	-1.5
<b>School Type:</b>												
Public School	29.5	31.7	24.6	20.2	13.9	-6.3	5.7	6.0	3.0	3.3	2.3	-1.0
Private/Charter School	33.6	31.1	18.5	17.2	10.7	-6.5	4.2	4.7	2.4	2.6	1.2	-1.4
<b>Sex:</b>												
Male	31.5	34.1	26.6	21.3	13.8	-7.5	6.0	6.7	3.9	3.5	2.4	-1.1
Female	28.2	29.3	22.1	18.9	12.6	-6.3	5.1	5.0	2.1	3.2	1.5	-1.7
<b>Ethnicity: <sup>d</sup></b>												
Chinese	22.6	27.5	13.4	13.6	5.7	-7.9	2.7	3.2	0.9	1.7	0.0	-1.7
Filipino	30.7	32.4	25.9	21.4	11.7	-9.7	5.3	5.7	3.1	3.0	2.5	-0.5
Japanese	23.0	24.9	15.5	12.9	7.0	-5.9	2.3	2.4	1.0	1.5	1.0	-0.5
Native Hawaiian	35.4	34.9	29.1	24.9	17.2	-7.7	9.1	8.1	4.3	5.4	1.7	-3.7
White	30.6	34.7	25.4	20.2	17.8	-2.4	4.2	5.7	3.0	2.7	2.0	-0.7

(Table continued on next page)

**TABLE 21A (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Tobacco Use						Cigarettes					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	24.2	22.2	12.7	10.5	7.2	-3.3	23.6	21.5	12.2	9.9	6.7	-3.2
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	22.3	20.6	11.4	9.5	6.1	-3.4	21.7	19.9	10.9	8.9	5.6	-3.3
Hawaii County	32.1	25.6	17.9	10.7	10.6	-0.1	30.9	24.8	17.3	10.3	10.3	0.0
Kauai County	24.0	27.8	11.3	12.6	7.8	-4.8	23.5	27.4	10.7	11.4	7.1	-4.3
Maui County	29.0	27.4	16.2	16.2	9.3	-6.9	28.7	26.2	16.1	15.7	9.2	-6.5
<b>School Type:</b>												
Public School	24.4	23.0	13.2	11.0	8.2	-2.8	23.7	22.3	12.7	10.3	7.7	-2.6
Private/Charter School	21.1	14.7	5.6	4.8	2.8	-2.0	20.7	13.9	5.4	4.4	2.7	-1.7
<b>Sex:</b>												
Male	24.3	22.2	13.0	10.5	6.8	-3.7	23.4	21.3	12.2	9.7	6.3	-3.4
Female	24.2	22.2	12.4	10.7	7.7	-3.0	23.7	21.6	12.2	10.2	7.3	-2.9
<b>Ethnicity: <sup>d</sup></b>												
Chinese	9.9	11.4	2.8	4.2	2.6	-1.6	9.6	10.2	2.5	4.2	1.5	-2.7
Filipino	28.5	26.3	15.9	12.1	6.7	-5.4	28.1	25.8	15.3	11.6	6.4	-5.2
Japanese	12.4	9.5	4.8	4.4	1.8	-2.6	11.9	9.1	4.5	3.8	1.6	-2.2
Native Hawaiian	32.8	28.4	17.0	14.2	10.8	-3.4	32.1	27.6	16.3	13.5	10.3	-3.2
White	19.9	21.5	11.5	9.2	7.4	-1.8	19.0	20.5	10.9	8.6	6.9	-1.7

(Table continued on next page)

**TABLE 21A (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Smokeless Tobacco					
	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	3.5	3.1	1.2	1.3	0.9	-0.4
<b>Place of Residence:</b> <sup>c</sup>						
City & County of Honolulu	3.2	2.9	1.1	1.3	0.9	-0.4
Hawaii County	5.7	3.9	2.1	0.9	0.9	0.0
Kauai County	3.0	2.1	1.0	2.1	0.9	-1.2
Maui County	3.3	3.6	0.3	1.8	0.9	-0.9
<b>School Type:</b>						
Public School	3.7	3.1	1.2	1.3	1.1	-0.2
Private/Charter School	1.3	2.3	1.0	1.2	0.3	-0.9
<b>Sex:</b>						
Male	4.4	3.6	1.5	1.7	1.0	-0.7
Female	2.7	2.5	0.9	1.0	0.8	-0.2
<b>Ethnicity:</b> <sup>d</sup>						
Chinese	0.7	1.9	0.6	0.5	1.0	+0.5
Filipino	2.9	2.4	1.0	1.2	0.5	-0.7
Japanese	1.8	1.3	0.3	0.9	0.3	-0.6
Native Hawaiian	5.3	3.8	1.8	1.6	1.3	-0.3
White	2.8	3.9	1.5	1.3	1.1	-0.2

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> Any Illicit Drug, Including Inhalants includes the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was added to the survey in 1998; GHB, Rohypnol, and ketamine were added in 2002.

<sup>b</sup> Any Illicit Drug, Excluding Inhalants includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine.

<sup>c</sup> Place of Residence includes public, private, and charter school students who go to school in that particular county.

<sup>d</sup> Only ethnic/racial groups included in all four survey years are represented in the table.

**TABLE 21B**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Illicit Drug, Including Inhalants <sup>a</sup>						Any Illicit Drug, Excluding Inhalants <sup>b</sup>					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	29.6	26.3	23.3	22.0	19.2	-2.8	23.0	20.9	18.5	18.2	14.3	-3.9
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	27.5	24.2	20.7	20.0	17.3	-2.7	19.2	17.9	15.8	15.6	12.0	-3.6
Hawaii County	34.9	31.2	33.7	29.5	23.6	-5.9	30.8	27.2	28.0	27.2	20.8	-6.4
Kauai County	34.2	25.1	25.5	24.3	26.3	+2.0	29.6	22.3	20.3	21.5	20.4	-1.1
Maui County	31.8	32.9	26.5	22.9	22.7	-0.2	29.1	29.8	22.8	20.6	18.6	-2.0
<b>School Type:</b>												
Public School	29.5	26.9	24.5	22.4	20.4	-2.0	23.4	22.1	19.6	18.9	15.8	-3.1
Private/Charter School	30.3	24.1	15.1	19.5	14.8	-4.7	21.0	16.7	10.9	13.0	9.1	-3.9
<b>Sex:</b>												
Male	29.1	26.2	23.7	20.8	17.2	-3.6	24.0	22.6	19.6	17.8	13.9	-3.9
Female	30.1	26.2	22.9	22.9	20.9	-2.0	22.3	19.5	17.4	18.3	14.5	-3.8
<b>Ethnicity: <sup>d</sup></b>												
Chinese	13.8	10.6	9.2	8.7	7.9	-0.8	9.8	5.3	5.0	4.5	3.1	-1.4
Filipino	29.0	25.5	22.0	19.8	17.9	-1.9	21.9	19.0	15.8	15.2	11.4	-3.8
Japanese	18.1	16.9	10.3	11.8	9.5	-2.3	11.7	10.8	6.7	7.8	4.5	-3.3
Native Hawaiian	36.3	35.5	33.0	31.3	25.7	-5.6	31.3	30.8	28.2	28.9	22.4	-6.5
White	32.1	30.2	23.9	24.6	21.6	-3.0	24.2	25.1	19.5	20.0	17.1	-2.9

(Table continued on next page)

**TABLE 21B (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Inhalants					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	21.5	19.2	15.9	15.9	12.1	-3.8	15.2	12.5	9.9	9.1	9.0	-0.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	18.0	16.1	13.4	13.3	9.7	-3.6	15.6	13.0	9.7	9.9	9.0	-0.9
Hawaii County	29.0	26.0	24.0	24.8	18.1	-6.7	15.5	11.4	13.4	8.8	9.1	+0.3
Kauai County	27.9	20.8	17.6	19.3	17.6	-1.7	15.8	8.9	9.4	7.5	11.9	+4.4
Maui County	27.0	27.8	20.5	18.8	17.7	-1.1	13.1	12.5	7.4	4.7	7.0	+2.3
<b>School Type:</b>												
Public School	21.9	20.6	16.8	16.6	13.6	-3.0	14.9	11.9	10.2	8.8	9.0	+0.2
Private/Charter School	19.4	14.3	9.4	11.1	7.0	-4.1	17.1	14.4	7.7	11.2	8.9	-2.3
<b>Sex:</b>												
Male	22.3	20.7	16.6	15.5	11.8	-3.7	13.5	11.4	8.9	7.5	6.4	-1.1
Female	20.9	17.8	15.2	16.1	12.4	-3.7	16.7	13.3	10.7	10.4	11.4	+1.0
<b>Ethnicity: <sup>d</sup></b>												
Chinese	8.1	3.2	2.7	2.9	1.6	-1.3	9.4	7.6	5.3	5.0	5.3	+0.3
Filipino	20.1	17.4	12.3	12.7	9.7	-3.0	15.9	12.2	11.5	8.6	10.3	+1.7
Japanese	10.9	9.6	5.8	6.7	2.8	-3.9	12.1	10.6	5.7	6.6	6.6	0.0
Native Hawaiian	29.5	29.4	25.4	26.6	20.0	-6.6	14.8	13.2	10.0	9.1	7.9	-1.2
White	21.9	22.8	16.9	17.4	15.1	-2.3	16.4	13.9	8.9	10.8	9.6	-1.2

(Table continued on next page)

**TABLE 21B (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cocaine						Methamphetamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	5.3	4.2	2.2	2.1	1.2	-0.9	4.4	4.6	2.3	2.0	0.9	-1.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	4.5	4.0	2.2	2.1	1.3	-0.8	4.0	4.4	2.2	1.9	1.0	-0.9
Hawaii County	7.1	4.2	2.7	2.8	1.1	-1.7	4.8	4.6	3.1	2.3	1.0	-1.3
Kauai County	5.7	5.2	1.8	1.5	1.5	0.0	3.6	4.2	2.3	2.8	0.0	-2.8
Maui County	8.0	5.3	1.5	1.2	0.5	-0.7	7.5	5.8	2.1	1.9	0.8	-1.1
<b>School Type:</b>												
Public School	5.5	4.6	2.3	2.2	1.1	-1.1	4.8	5.0	2.4	2.2	0.9	-1.3
Private/Charter School	4.0	3.0	1.3	1.2	1.4	+0.2	2.6	3.1	1.6	0.6	0.8	+0.2
<b>Sex:</b>												
Male	5.7	4.9	2.2	1.9	1.0	-0.9	4.5	5.4	2.2	1.9	0.8	-1.1
Female	5.0	3.6	2.1	2.2	1.1	-1.1	4.3	3.9	2.3	2.1	0.9	-1.2
<b>Ethnicity: <sup>d</sup></b>												
Chinese	3.3	2.6	0.8	0.6	0.0	-0.6	0.9	1.5	0.4	0.3	0.0	-0.3
Filipino	4.5	4.1	1.5	1.8	0.6	-1.2	4.6	4.4	2.1	1.7	0.9	-0.8
Japanese	2.9	2.0	0.7	1.2	0.6	-0.6	2.8	2.4	0.6	1.0	0.0	-1.0
Native Hawaiian	6.0	5.0	2.5	2.2	1.6	-0.6	5.1	5.9	2.9	2.0	1.4	-0.6
White	4.8	3.4	1.7	1.0	1.0	0.0	3.0	4.1	1.8	1.7	0.8	-0.9

(Table continued on next page)

**TABLE 21B (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Heroin or Other Opiates						Sedatives/Tranquilizers					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	3.4	2.7	1.2	1.0	0.7	-0.3	3.6	3.0	1.8	1.9	1.2	-0.7
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	3.0	2.5	1.2	0.9	0.6	-0.3	3.4	2.7	1.6	1.7	1.0	-0.7
Hawaii County	4.0	3.3	1.4	1.4	0.9	-0.5	4.3	3.8	3.5	3.1	2.1	-1.0
Kauai County	3.6	2.3	0.5	0.9	0.8	-0.1	3.3	2.3	2.3	2.1	2.6	+0.5
Maui County	5.7	3.5	1.1	0.9	0.7	-0.2	5.1	3.7	1.5	1.4	0.7	-0.7
<b>School Type:</b>												
Public School	3.6	2.9	1.2	1.1	0.7	-0.4	3.8	3.0	1.9	2.0	1.3	-0.7
Private/Charter School	2.4	2.1	0.9	0.2	0.5	+0.3	2.7	2.8	1.6	1.1	0.9	-0.2
<b>Sex:</b>												
Male	4.0	3.5	1.2	1.2	0.5	-0.7	4.1	3.6	2.0	1.5	0.6	-0.9
Female	2.9	2.0	1.1	0.8	0.7	-0.1	3.2	2.4	1.7	2.2	1.6	-0.6
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.9	1.2	0.0	0.3	0.0	-0.3	2.4	2.6	0.4	0.6	0.8	+0.2
Filipino	2.7	1.9	0.9	0.8	0.7	-0.1	3.2	1.5	1.7	1.3	1.0	-0.3
Japanese	2.3	1.4	0.4	0.5	0.4	-0.1	2.0	1.9	0.4	0.5	0.3	-0.2
Native Hawaiian	4.0	3.1	1.7	1.0	0.6	-0.4	3.6	3.4	2.8	2.5	2.0	-0.5
White	3.0	2.1	0.6	0.7	0.5	-0.2	3.8	2.6	2.2	2.7	1.5	-1.2

(Table continued on next page)



**TABLE 21B (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Hallucinogens						Steroids					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	6.5	4.6	2.9	2.5	1.1	-1.4	2.8	2.6	2.2	2.1	1.8	-0.3
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	4.8	3.4	2.4	2.1	0.8	-1.3	2.7	2.5	1.8	2.0	1.8	-0.2
Hawaii County	10.0	6.7	6.5	3.9	2.7	-1.2	2.8	2.5	4.5	2.4	2.3	-0.1
Kauai County	11.7	5.4	2.4	2.8	1.2	-1.6	2.7	2.3	1.8	2.2	4.0	+1.8
Maui County	8.0	8.3	2.6	3.0	1.1	-1.9	4.4	3.6	2.2	2.3	0.8	-1.5
<b>School Type:</b>												
Public School	6.7	4.8	3.0	2.7	1.1	-1.6	2.9	2.7	2.3	2.2	2.0	-0.2
Private/Charter School	5.3	3.7	2.4	1.4	1.2	-0.2	2.3	2.5	1.7	1.3	1.4	+0.1
<b>Sex:</b>												
Male	7.0	5.6	3.5	2.7	1.1	-1.6	3.9	3.7	3.2	3.0	2.0	-1.0
Female	6.0	3.6	2.5	2.3	1.1	-1.2	2.0	1.7	1.3	1.4	1.8	+0.4
<b>Ethnicity: <sup>d</sup></b>												
Chinese	1.9	1.7	0.4	0.3	0.3	0.0	0.9	2.3	1.1	0.9	0.6	-0.3
Filipino	5.8	2.5	1.8	1.5	0.8	-0.7	3.1	1.9	2.4	2.2	1.6	-0.6
Japanese	3.1	2.3	0.8	1.1	0.2	-0.9	1.5	1.8	0.7	0.6	0.6	0.0
Native Hawaiian	6.8	5.5	4.4	3.6	1.5	-2.1	3.0	3.5	3.1	3.1	3.0	-0.1
White	9.3	7.6	3.2	2.9	2.3	-0.6	1.3	1.1	1.9	2.3	1.8	-0.5

(Table continued on next page)

**TABLE 21B (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Ecstasy/MDMA						GHB					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	2.9	2.0	3.0	1.1	-1.9	—	—	—	1.4	0.6	-0.8
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	2.7	2.2	3.2	1.2	-2.0	—	—	—	1.3	0.6	-0.7
Hawaii County	—	3.2	2.2	2.6	1.4	-1.2	—	—	—	1.1	0.6	-0.5
Kauai County	—	3.1	0.8	2.8	0.8	-2.0	—	—	—	2.1	0.8	-1.3
Maui County	—	3.2	1.8	3.0	0.5	-2.5	—	—	—	1.7	0.6	-1.1
<b>School Type:</b>												
Public School	—	2.9	2.1	3.1	1.2	-1.9	—	—	—	1.5	0.6	-0.9
Private/Charter School	—	2.7	1.7	2.1	1.0	-1.1	—	—	—	0.7	0.6	-0.1
<b>Sex:</b>												
Male	—	3.7	2.0	2.6	0.8	-1.8	—	—	—	1.6	0.5	-1.1
Female	—	2.2	2.0	3.3	1.5	-1.8	—	—	—	1.2	0.7	-0.5
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	1.8	0.0	0.6	0.0	-0.6	—	—	—	0.3	0.0	-0.3
Filipino	—	2.0	1.3	2.4	1.2	-1.2	—	—	—	1.0	0.5	-0.5
Japanese	—	1.6	0.3	1.5	0.2	-1.3	—	—	—	0.6	0.2	-0.4
Native Hawaiian	—	3.0	3.5	4.2	1.6	-2.6	—	—	—	1.7	1.1	-0.6
White	—	2.4	2.1	2.7	1.0	-1.7	—	—	—	1.1	0.8	-0.3

(Table continued on next page)

**TABLE 21B (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Rohypnol						Ketamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	—	—	0.9	0.5	-0.4	—	—	—	0.8	0.8	0.0
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	—	—	0.9	0.5	-0.4	—	—	—	0.8	0.7	-0.1
Hawaii County	—	—	—	0.8	0.7	-0.1	—	—	—	0.9	1.6	+0.7
Kauai County	—	—	—	0.9	0.0	-0.9	—	—	—	0.8	1.6	+0.8
Maui County	—	—	—	1.0	0.7	-0.3	—	—	—	0.9	0.5	-0.4
<b>School Type:</b>												
Public School	—	—	—	1.0	0.5	-0.5	—	—	—	0.9	0.9	0.0
Private/Charter School	—	—	—	0.5	0.5	0.0	—	—	—	0.4	0.6	+0.2
<b>Sex:</b>												
Male	—	—	—	0.9	0.5	-0.4	—	—	—	1.0	0.8	-0.2
Female	—	—	—	0.9	0.5	-0.4	—	—	—	0.7	0.8	+0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	—	—	0.3	0.0	-0.3	—	—	—	0.6	0.0	-0.6
Filipino	—	—	—	0.6	0.6	0.0	—	—	—	0.5	0.7	+0.2
Japanese	—	—	—	0.4	0.0	-0.4	—	—	—	0.4	0.3	-0.1
Native Hawaiian	—	—	—	1.3	1.0	-0.3	—	—	—	0.6	1.4	+0.8
White	—	—	—	0.3	0.7	+0.4	—	—	—	0.4	1.3	+0.9

(Table continued on next page)

**TABLE 21B (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Alcohol						Been Drunk					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	54.0	52.6	49.2	42.5	36.8	-5.7	22.9	20.4	17.3	17.1	13.4	-3.7
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	52.7	50.0	45.6	39.7	34.5	-5.2	20.9	17.3	15.0	15.2	12.3	-2.9
Hawaii County	56.0	59.7	62.4	52.5	42.2	-10.3	26.8	28.9	24.8	23.2	16.7	-6.5
Kauai County	57.3	53.2	59.1	46.0	44.0	-2.0	27.7	22.1	23.5	19.6	19.4	-0.2
Maui County	57.3	58.4	51.2	45.1	41.3	-3.8	27.2	26.6	19.8	19.3	13.3	-6.0
<b>School Type:</b>												
Public School	53.3	53.1	50.8	43.6	38.1	-5.5	22.8	21.3	17.8	17.7	14.7	-3.0
Private/Charter School	57.6	50.7	38.4	35.1	32.1	-3.0	23.6	17.1	13.8	12.3	8.7	-3.6
<b>Sex:</b>												
Male	49.6	50.2	46.2	38.7	32.3	-6.4	19.1	17.8	14.3	13.8	11.2	-2.6
Female	57.7	54.4	51.5	45.6	40.7	-4.9	26.0	22.4	19.3	19.6	15.6	-4.0
<b>Ethnicity: <sup>d</sup></b>												
Chinese	36.8	36.8	28.1	24.9	23.7	-1.2	9.4	5.8	3.1	6.7	3.6	-3.1
Filipino	54.8	55.2	50.9	44.4	39.3	-5.1	21.5	19.5	14.5	15.4	11.0	-4.4
Japanese	44.1	43.1	31.3	26.7	22.3	-4.4	9.9	11.8	7.5	7.5	5.8	-1.7
Native Hawaiian	60.6	59.4	62.7	54.4	45.1	-9.3	30.3	28.9	27.6	27.2	20.9	-6.3
White	53.6	56.2	51.4	46.4	36.5	-9.9	23.4	23.1	19.4	18.3	14.9	-3.4

(Table continued on next page)

**TABLE 21B (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Tobacco Use						Cigarettes					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	46.6	44.1	37.2	28.2	23.1	-5.1	45.9	43.1	36.3	27.6	22.5	-5.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	44.6	41.8	35.6	26.0	21.1	-4.9	44.0	41.0	34.8	25.4	20.5	-4.9
Hawaii County	46.9	49.5	40.7	36.2	24.9	-11.3	46.0	48.3	38.9	35.6	24.4	-11.2
Kauai County	51.8	47.2	44.0	30.3	27.8	-2.5	51.2	45.2	43.5	30.0	27.0	-3.0
Maui County	54.2	48.6	40.0	30.4	31.0	+0.6	53.2	47.8	38.9	29.3	30.6	+1.3
<b>School Type:</b>												
Public School	47.2	46.7	38.9	29.7	26.3	-3.4	46.5	45.7	38.0	29.1	25.7	-3.4
Private/Charter School	43.7	35.0	25.5	17.8	11.8	-6.0	42.5	34.4	24.7	16.6	11.0	-5.6
<b>Sex:</b>												
Male	42.2	41.4	34.5	24.9	19.6	-5.3	41.0	40.2	33.6	24.0	18.7	-5.3
Female	50.2	46.2	39.1	30.8	26.1	-4.7	49.8	45.4	38.3	30.4	25.8	-4.6
<b>Ethnicity: <sup>d</sup></b>												
Chinese	26.4	20.2	16.4	10.3	3.1	-7.2	26.3	19.6	16.2	9.7	2.0	-7.7
Filipino	54.4	50.8	43.1	30.7	27.3	-3.4	53.5	50.0	42.1	30.3	27.0	-3.3
Japanese	30.6	29.0	16.8	14.1	6.8	-7.3	30.2	28.3	16.6	13.6	6.6	-7.0
Native Hawaiian	50.1	53.5	47.8	37.9	33.6	-4.3	48.8	52.3	46.5	37.6	33.3	-4.3
White	45.5	44.0	34.7	27.4	21.0	-6.4	45.1	43.0	33.3	26.4	20.3	-6.1

(Table continued on next page)

**TABLE 21B (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Smokeless Tobacco					
	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	8.1	5.9	3.6	3.5	3.0	-0.5
<b>Place of Residence: <sup>c</sup></b>						
City & County of Honolulu	7.5	5.5	3.1	3.5	3.0	-0.5
Hawaii County	8.3	8.5	6.6	4.0	2.3	-1.7
Kauai County	8.9	5.7	3.2	2.1	3.0	+0.9
Maui County	11.3	5.5	3.6	3.3	3.4	+0.1
<b>School Type:</b>						
Public School	7.8	5.9	3.7	3.5	3.1	-0.4
Private/Charter School	9.4	6.1	2.8	3.4	2.3	-1.1
<b>Sex:</b>						
Male	9.8	7.5	4.9	4.4	3.2	-1.2
Female	6.7	4.6	2.3	2.7	2.6	-0.1
<b>Ethnicity: <sup>d</sup></b>						
Chinese	2.8	1.8	0.0	1.2	1.3	+0.1
Filipino	6.8	4.6	2.3	2.1	1.8	-0.3
Japanese	4.6	3.4	1.4	2.0	0.9	-1.1
Native Hawaiian	11.0	8.4	5.5	3.1	2.4	-0.7
White	7.9	6.9	4.5	4.6	3.6	-1.0

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> *Any Illicit Drug, Including Inhalants* includes the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was added to the survey in 1998; GHB, Rohypnol, and ketamine were added in 2002.

<sup>b</sup> *Any Illicit Drug, Excluding Inhalants* includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine.

<sup>c</sup> *Place of Residence* includes public, private, and charter school students who go to school in that particular county.

<sup>d</sup> Only ethnic/racial groups included in all four survey years are represented in the table.

**TABLE 21C**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Illicit Drug, Including Inhalants <sup>a</sup>						Any Illicit Drug, Excluding Inhalants <sup>b</sup>					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	41.3	42.9	36.9	40.4	35.1	-5.3	37.8	40.7	35.2	38.6	32.7	-5.9
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	36.6	40.2	32.3	37.1	32.3	-4.8	32.3	37.7	30.2	35.0	29.8	-5.2
Hawaii County	47.8	53.3	49.5	46.8	48.0	+1.2	46.5	51.4	48.3	45.6	44.3	-1.3
Kauai County	53.3	49.5	38.9	49.1	31.7	-17.4	50.5	48.7	37.7	47.6	31.3	-16.3
Maui County	48.4	46.5	46.2	48.6	36.9	-11.7	45.0	45.1	45.8	47.4	36.5	-10.9
<b>School Type:</b>												
Public School	42.1	45.7	39.0	42.3	36.6	-5.7	39.2	43.6	37.2	40.6	34.2	-6.4
Private/Charter School	39.2	36.4	29.7	34.6	29.3	-5.3	34.1	34.0	28.3	32.3	27.0	-5.3
<b>Sex:</b>												
Male	42.4	44.2	38.4	40.2	36.3	-3.9	39.5	41.7	36.4	38.5	35.1	-3.4
Female	40.4	42.0	35.8	40.4	34.6	-5.8	36.3	40.1	34.3	38.5	31.6	-6.9
<b>Ethnicity: <sup>d</sup></b>												
Chinese	20.3	18.9	11.7	15.4	16.7	+1.3	18.4	16.7	9.6	13.8	14.0	+0.2
Filipino	34.7	39.9	28.6	38.6	32.3	-6.3	30.3	36.8	26.7	35.9	29.5	-6.4
Japanese	32.7	30.7	22.1	25.4	22.5	-2.9	29.0	28.5	20.4	24.1	20.4	-3.7
Native Hawaiian	51.7	55.1	50.7	53.0	47.3	-5.7	47.9	53.5	49.8	52.0	44.8	-7.2
White	49.0	49.4	47.9	50.4	37.3	-13.1	44.7	47.5	46.1	48.9	34.7	-14.2

(Table continued on next page)

**TABLE 21C (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Inhalants					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	36.5	39.2	33.2	35.8	30.5	-5.3	11.2	10.2	7.0	8.4	7.9	-0.5
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	31.0	36.2	27.8	31.6	27.2	-4.4	10.9	10.0	7.2	8.7	7.9	-0.8
Hawaii County	45.9	49.8	46.7	43.8	42.7	-1.1	10.6	10.7	8.7	8.5	11.4	+2.9
Kauai County	49.1	47.4	36.4	45.4	28.9	-16.5	12.9	11.8	4.7	8.4	3.6	-4.8
Maui County	43.4	43.4	44.9	46.5	35.5	-11.0	12.7	9.8	5.2	6.9	5.5	-1.4
<b>School Type:</b>												
Public School	38.0	42.3	35.1	37.9	32.0	-5.9	10.1	10.6	7.0	8.1	7.8	-0.3
Private/Charter School	32.7	31.8	26.6	29.1	24.7	-4.4	14.1	9.3	7.0	9.5	8.3	-1.2
<b>Sex:</b>												
Male	38.1	40.2	34.2	35.7	32.3	-3.4	11.5	11.2	7.0	8.6	7.2	-1.4
Female	35.2	38.5	32.4	35.7	29.8	-5.9	11.0	9.3	7.0	8.3	8.5	+0.2
<b>Ethnicity: <sup>d</sup></b>												
Chinese	18.2	15.4	8.9	12.1	11.7	-0.4	7.4	5.3	3.5	4.7	6.0	+1.3
Filipino	29.2	35.4	24.4	32.3	27.2	-5.1	8.9	11.2	5.4	8.6	7.3	-1.3
Japanese	28.4	27.6	18.4	21.9	17.9	-4.0	9.3	6.1	5.2	4.8	6.2	+1.4
Native Hawaiian	46.5	51.6	48.6	48.9	42.7	-6.2	13.7	11.5	8.3	10.4	10.4	0.0
White	42.6	45.8	43.9	46.2	32.9	-13.3	14.9	12.4	9.7	10.7	7.6	-3.1

(Table continued on next page)



**TABLE 21C (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cocaine						Methamphetamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	5.8	5.3	3.5	3.1	3.0	-0.1	5.9	6.7	4.5	4.2	2.7	-1.5
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	4.3	4.6	3.1	2.7	3.2	+0.5	4.9	6.3	4.3	3.7	2.6	-1.1
Hawaii County	10.6	7.4	5.6	4.7	3.0	-1.7	6.7	6.5	6.0	5.2	3.8	-1.4
Kauai County	8.3	10.0	4.0	4.4	2.7	-1.7	9.0	10.7	3.7	5.8	1.9	-3.9
Maui County	4.5	4.3	3.0	3.3	2.3	-1.0	7.7	7.2	4.5	5.1	2.1	-3.0
<b>School Type:</b>												
Public School	6.2	5.5	3.5	3.2	3.1	-0.1	6.5	7.1	4.7	4.4	3.0	-1.4
Private/Charter School	4.7	4.9	3.7	2.9	2.8	-0.1	4.4	5.9	3.7	3.7	1.4	-2.3
<b>Sex:</b>												
Male	6.2	6.0	3.2	2.6	3.5	+0.9	5.9	6.4	3.6	3.6	2.5	-1.1
Female	5.5	4.8	3.7	3.5	2.6	-0.9	5.9	7.0	5.1	4.7	2.6	-2.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	3.4	3.1	0.5	0.4	2.4	+2.0	4.1	2.2	0.0	1.2	1.4	+0.2
Filipino	3.4	4.2	2.4	2.0	1.8	-0.2	5.9	6.7	3.8	4.7	2.2	-2.5
Japanese	4.6	2.7	1.4	1.8	2.3	+0.5	4.6	3.8	1.6	2.3	2.1	-0.2
Native Hawaiian	8.1	7.3	6.1	3.8	2.2	-1.6	4.9	9.4	6.8	4.3	2.0	-2.3
White	5.0	6.7	5.2	6.0	2.5	-3.5	6.1	7.0	5.2	5.7	2.2	-3.5

(Table continued on next page)

**TABLE 21C (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Heroin or Other Opiates						Sedatives/Tranquilizers					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	1.9	2.3	1.3	1.3	1.1	-0.2	3.9	3.9	3.2	4.5	3.1	-1.4
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	1.1	2.1	0.9	1.2	0.8	-0.4	3.2	3.5	2.7	3.6	2.4	-1.2
Hawaii County	3.8	3.0	2.6	2.5	2.1	-0.4	5.8	5.5	5.7	6.8	5.1	-1.7
Kauai County	2.4	4.6	1.2	1.5	0.0	-1.5	4.1	5.4	2.5	7.1	3.7	-3.4
Maui County	3.2	1.6	1.5	1.2	1.7	+0.5	5.4	3.9	3.5	6.1	4.7	-1.4
<b>School Type:</b>												
Public School	2.1	2.3	1.3	1.3	1.1	-0.2	4.1	3.8	3.2	4.3	3.0	-1.3
Private/Charter School	1.2	2.4	1.1	1.4	0.9	-0.5	3.6	4.2	3.0	5.3	3.5	-1.8
<b>Sex:</b>												
Male	2.5	3.2	1.3	1.5	1.5	0.0	4.1	3.7	2.7	3.7	3.3	-0.4
Female	1.4	1.6	1.2	1.2	0.8	-0.4	3.8	4.1	3.5	5.1	2.7	-2.4
<b>Ethnicity: <sup>d</sup></b>												
Chinese	2.0	0.9	0.5	0.4	0.0	-0.4	2.7	2.2	1.0	2.7	1.1	-1.6
Filipino	1.2	1.9	0.5	0.7	0.0	-0.7	2.4	2.2	1.7	1.4	1.6	+0.2
Japanese	1.5	1.6	0.4	0.7	0.2	-0.5	2.7	2.5	1.7	1.6	1.7	+0.1
Native Hawaiian	2.1	2.7	1.5	1.7	0.9	-0.8	4.9	5.0	4.2	4.4	2.4	-2.0
White	0.8	2.7	3.0	2.4	1.7	-0.7	4.6	5.5	5.2	11.6	4.7	-6.9

(Table continued on next page)

**TABLE 21C (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Hallucinogens						Steroids					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	7.8	9.2	6.4	5.6	3.3	-2.3	2.2	2.1	1.7	2.6	2.2	-0.4
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	6.3	7.2	4.4	4.6	3.0	-1.6	1.7	2.0	1.6	2.7	2.2	-0.5
Hawaii County	11.9	13.3	12.2	8.3	4.5	-3.8	3.4	1.7	2.6	2.5	2.4	-0.1
Kauai County	10.3	18.5	8.7	7.6	2.2	-5.4	3.1	3.2	1.5	2.8	1.3	-1.5
Maui County	7.7	12.7	9.0	7.4	4.6	-2.8	2.7	2.0	1.5	2.1	2.4	+0.3
<b>School Type:</b>												
Public School	7.9	9.6	6.5	5.4	3.5	-1.9	2.3	1.8	1.8	2.6	2.3	-0.3
Private/Charter School	7.4	8.5	6.2	6.1	2.7	-3.4	1.9	2.7	1.4	2.8	1.9	-0.9
<b>Sex:</b>												
Male	9.2	10.0	6.3	5.5	3.5	-2.0	3.4	3.4	3.0	3.6	3.8	+0.2
Female	6.7	8.7	6.5	5.6	3.1	-2.5	1.2	1.0	0.8	1.8	1.0	-0.8
<b>Ethnicity: <sup>d</sup></b>												
Chinese	3.4	2.2	1.0	3.1	0.3	-2.8	2.0	1.6	1.0	1.2	1.2	0.0
Filipino	4.2	5.2	2.2	3.0	1.4	-1.6	1.4	2.2	0.8	2.4	1.7	-0.7
Japanese	5.3	4.9	2.6	3.2	2.6	-0.6	1.0	1.0	1.1	1.4	2.3	+0.9
Native Hawaiian	8.6	11.1	7.0	6.0	2.7	-3.3	3.5	3.1	3.1	4.6	2.9	-1.7
White	16.7	18.2	14.7	12.2	5.7	-6.5	0.0	0.9	1.9	2.8	1.3	-1.5

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**TABLE 21C (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Ecstasy/MDMA						GHB					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	4.1	5.3	7.2	3.5	-3.7	—	—	—	2.0	1.1	-0.9
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	4.0	5.6	7.6	3.5	-4.1	—	—	—	2.1	0.8	-1.3
Hawaii County	—	3.9	5.9	6.9	4.2	-2.7	—	—	—	1.9	2.2	+0.3
Kauai County	—	6.2	4.7	7.4	0.0	-7.4	—	—	—	2.3	0.0	-2.3
Maui County	—	3.5	3.4	5.1	4.1	-1.0	—	—	—	1.7	2.3	+0.6
<b>School Type:</b>												
Public School	—	3.8	4.9	6.8	3.8	-3.0	—	—	—	2.1	1.2	-0.9
Private/Charter School	—	4.8	6.5	8.3	2.6	-5.7	—	—	—	1.7	1.0	-0.7
<b>Sex:</b>												
Male	—	4.7	4.9	6.1	3.3	-2.8	—	—	—	1.9	1.3	-0.6
Female	—	3.6	5.5	8.0	3.5	-4.5	—	—	—	2.1	0.9	-1.2
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	2.5	1.5	3.9	0.3	-3.6	—	—	—	2.0	0.0	-2.0
Filipino	—	2.2	3.6	6.4	2.9	-3.5	—	—	—	1.3	0.7	-0.6
Japanese	—	2.3	3.0	6.0	3.0	-3.0	—	—	—	1.8	0.5	-1.3
Native Hawaiian	—	5.2	8.1	8.9	3.4	-5.5	—	—	—	2.5	0.9	-1.6
White	—	7.0	8.3	8.8	2.1	-6.7	—	—	—	1.8	1.0	-0.8

(Table continued on next page)

**TABLE 21C (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Rohypnol						Ketamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	—	—	1.3	0.8	-0.5	—	—	—	1.4	0.6	-0.8
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	—	—	1.3	0.6	-0.7	—	—	—	1.3	0.4	-0.9
Hawaii County	—	—	—	1.7	1.5	-0.2	—	—	—	2.1	1.2	-0.9
Kauai County	—	—	—	1.3	0.0	-1.3	—	—	—	1.0	0.0	-1.0
Maui County	—	—	—	1.2	1.7	+0.5	—	—	—	1.5	1.3	-0.2
<b>School Type:</b>												
Public School	—	—	—	1.2	0.9	-0.3	—	—	—	1.2	0.5	-0.7
Private/Charter School	—	—	—	1.6	0.5	-1.1	—	—	—	1.8	0.8	-1.0
<b>Sex:</b>												
Male	—	—	—	1.3	1.1	-0.2	—	—	—	1.5	0.9	-0.6
Female	—	—	—	1.3	0.5	-0.8	—	—	—	1.2	0.4	-0.8
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	—	—	0.4	0.3	-0.1	—	—	—	0.8	1.6	+0.8
Filipino	—	—	—	0.6	0.3	-0.3	—	—	—	0.9	0.2	-0.7
Japanese	—	—	—	1.4	0.3	-1.1	—	—	—	1.2	0.2	-1.0
Native Hawaiian	—	—	—	1.2	0.8	-0.4	—	—	—	0.7	0.4	-0.3
White	—	—	—	2.2	0.8	-1.4	—	—	—	2.6	0.8	-1.8

(Table continued on next page)

**TABLE 21C (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Alcohol						Been Drunk					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	73.4	72.3	67.1	64.7	59.1	-5.6	40.1	40.7	37.5	37.8	33.4	-4.4
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	69.7	70.4	63.7	61.3	54.7	-6.6	34.2	37.6	32.9	34.2	28.8	-5.4
Hawaii County	83.0	77.0	77.0	73.7	70.9	-2.8	51.5	51.2	50.8	48.1	47.1	-1.0
Kauai County	75.7	75.9	72.7	75.6	61.6	-14.0	50.0	47.8	44.0	49.9	31.9	-18.0
Maui County	79.3	77.7	70.7	70.7	69.4	-1.3	49.5	46.4	42.8	42.8	44.2	+1.4
<b>School Type:</b>												
Public School	73.5	74.6	69.2	67.3	61.0	-6.3	41.6	42.6	38.5	39.2	34.4	-4.8
Private/Charter School	73.1	66.7	60.1	56.5	51.9	-4.6	36.2	36.1	34.0	33.3	29.5	-3.8
<b>Sex:</b>												
Male	71.9	70.1	63.5	61.1	53.9	-7.2	37.5	39.7	35.1	35.0	30.6	-4.4
Female	74.5	74.0	69.6	67.7	62.7	-5.0	42.1	41.5	39.3	40.0	35.8	-4.2
<b>Ethnicity: <sup>d</sup></b>												
Chinese	56.8	54.9	41.2	39.5	33.1	-6.4	21.9	20.9	14.3	16.8	12.5	-4.3
Filipino	74.0	73.5	65.2	67.8	62.7	-5.1	35.2	35.4	30.3	34.8	30.1	-4.7
Japanese	71.4	63.8	55.3	50.4	43.2	-7.2	31.9	29.6	26.3	25.2	19.2	-6.0
Native Hawaiian	76.8	80.1	78.5	72.6	68.9	-3.7	49.3	51.5	51.2	49.0	45.8	-3.2
White	76.3	76.0	72.1	72.1	63.0	-9.1	44.8	51.4	48.4	48.9	39.3	-9.6

(Table continued on next page)

**TABLE 21C (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Tobacco Use						Cigarettes					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	58.4	58.0	50.5	43.2	36.7	-6.5	57.4	57.0	49.5	42.1	35.9	-6.2
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	55.1	55.6	48.8	41.0	35.7	-5.3	54.1	54.5	47.7	40.0	34.9	-5.1
Hawaii County	64.0	65.5	55.3	45.8	43.3	-2.5	62.9	64.6	54.5	44.8	42.2	-2.6
Kauai County	66.9	65.2	49.9	49.1	31.9	-17.2	65.5	64.5	49.4	47.7	31.9	-15.8
Maui County	61.1	61.6	54.9	49.4	36.5	-12.9	60.6	60.5	53.7	47.6	36.0	-11.6
<b>School Type:</b>												
Public School	60.3	61.9	53.5	46.7	39.7	-7.0	59.3	61.2	52.8	45.7	39.0	-6.7
Private/Charter School	53.5	48.8	40.2	31.9	24.8	-7.1	52.3	46.8	38.4	30.5	23.8	-6.7
<b>Sex:</b>												
Male	58.5	55.3	46.4	39.0	33.3	-5.7	56.7	53.6	44.9	37.4	32.1	-5.3
Female	58.4	60.2	53.5	46.7	39.3	-7.4	58.0	59.6	50.5	46.1	38.9	-7.2
<b>Ethnicity: <sup>d</sup></b>												
Chinese	42.6	35.1	25.5	20.7	20.8	0.1	42.6	33.8	24.8	19.9	18.9	-1.0
Filipino	62.2	65.9	54.6	49.1	42.1	-7.0	61.6	64.8	53.8	48.4	41.8	-6.6
Japanese	48.9	45.6	37.5	26.0	20.7	-5.3	47.7	44.7	36.7	25.8	20.5	-5.3
Native Hawaiian	65.0	65.3	57.6	49.7	43.1	-6.6	63.1	64.2	56.1	48.7	42.3	-6.4
White	54.8	60.0	52.0	48.8	35.3	-13.5	54.2	58.9	50.7	46.8	34.8	-12.0

(Table continued on next page)

**TABLE 21C (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Smokeless Tobacco					
	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	10.6	10.2	5.3	5.9	4.4	-1.5
<b>Place of Residence:</b> <sup>c</sup>						
City & County of Honolulu	10.1	9.5	4.7	5.2	4.4	-0.8
Hawaii County	12.6	14.1	8.7	8.5	6.0	-2.5
Kauai County	11.4	11.4	4.0	5.9	1.5	-4.4
Maui County	9.6	10.6	5.6	7.3	3.5	-3.8
<b>School Type:</b>						
Public School	9.3	9.6	4.8	5.3	4.4	-0.9
Private/Charter School	14.1	11.8	6.9	7.7	4.1	-3.6
<b>Sex:</b>						
Male	16.2	16.3	7.7	8.7	5.9	-2.8
Female	6.1	5.4	3.5	3.4	2.9	-0.5
<b>Ethnicity:</b> <sup>d</sup>						
Chinese	3.4	5.4	2.5	3.1	3.4	+0.3
Filipino	6.7	9.2	4.2	4.1	2.0	-2.1
Japanese	10.5	9.1	4.0	3.0	2.3	-0.7
Native Hawaiian	12.4	11.6	7.1	6.4	5.2	-1.2
White	26.6	12.1	6.9	9.2	4.7	-4.5

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> Any Illicit Drug, Including Inhalants includes the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was added to the survey in 1998; GHB, Rohypnol, and ketamine were added in 2002.

<sup>b</sup> Any Illicit Drug, Excluding Inhalants includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine.

<sup>c</sup> Place of Residence includes public, private, and charter school students who go to school in that particular county.

<sup>d</sup> Only ethnic/racial groups included in all four survey years are represented in the table.



**TABLE 21D**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Illicit Drug, Including Inhalants <sup>a</sup>						Any Illicit Drug, Excluding Inhalants <sup>b</sup>					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	47.7	50.3	48.4	49.4	46.9	-2.5	45.9	48.9	47.8	48.5	46.1	-2.4
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	42.3	47.5	42.1	45.9	42.1	-3.8	39.9	45.9	41.4	45.0	40.9	-4.1
Hawaii County	57.6	60.7	60.2	59.5	63.0	+3.5	57.3	59.7	59.4	59.0	63.0	+4.0
Kauai County	47.8	52.8	63.2	53.9	47.2	-6.7	47.2	52.8	63.2	53.2	47.2	-6.0
Maui County	59.9	55.8	60.3	60.7	55.8	-4.9	59.1	54.5	60.3	59.6	54.9	-4.7
<b>School Type:</b>												
Public School	48.8	53.2	51.4	50.2	48.4	-1.8	47.6	51.8	50.8	49.4	47.6	-1.8
Private/Charter School	45.6	45.4	39.2	46.9	41.6	-5.3	43.0	44.1	38.7	45.7	40.7	-5.0
<b>Sex:</b>												
Male	49.1	52.2	50.5	50.5	48.7	-1.8	46.9	50.8	50.2	49.5	48.0	-1.5
Female	46.4	48.5	46.6	48.6	45.5	-3.1	45.1	47.2	45.9	47.8	44.5	-3.3
<b>Ethnicity: <sup>d</sup></b>												
Chinese	21.6	31.3	20.3	26.1	21.7	-4.4	15.2	28.5	19.8	23.8	19.8	-4.0
Filipino	41.6	48.4	42.6	42.9	39.0	-3.9	39.1	46.3	42.0	42.0	37.5	-4.5
Japanese	35.3	39.2	31.9	40.3	34.1	-6.2	33.7	37.6	31.6	39.5	33.7	-5.8
Native Hawaiian	54.2	57.4	60.3	62.9	60.0	-2.9	53.6	56.8	60.1	62.0	59.7	-2.3
White	62.2	61.8	61.1	59.0	57.2	-1.8	61.3	61.4	60.7	58.3	56.4	-1.9

(Table continued on next page)

**TABLE 21D (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Inhalants					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	44.7	47.7	45.8	46.2	44.4	-1.8	7.9	8.1	5.7	7.3	8.8	+1.5
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	38.8	44.7	39.3	42.6	39.2	-3.4	7.8	7.6	5.4	7.7	8.9	+1.2
Hawaii County	55.6	58.9	57.3	56.7	61.7	+5.0	6.8	10.1	6.6	9.3	13.6	+4.3
Kauai County	46.3	52.1	60.9	50.7	45.2	-5.5	3.7	9.6	7.6	2.7	5.5	+2.8
Maui County	57.4	52.4	59.1	57.7	53.5	-4.2	10.7	8.9	4.3	5.8	4.1	-1.7
<b>School Type:</b>												
Public School	46.4	50.6	48.9	47.0	45.9	-1.1	7.4	8.2	6.1	6.6	8.8	+2.2
Private/Charter School	41.7	42.6	36.4	43.7	39.0	-4.7	8.9	8.0	4.4	9.4	8.8	-0.6
<b>Sex:</b>												
Male	45.7	49.9	47.8	46.9	46.4	-0.5	9.6	9.1	6.2	8.2	10.6	+2.4
Female	43.8	45.6	44.2	45.7	42.8	-2.9	6.3	7.3	5.2	6.5	6.9	+0.4
<b>Ethnicity: <sup>d</sup></b>												
Chinese	13.4	26.8	15.9	21.1	19.8	-1.3	7.2	6.9	2.8	4.8	3.1	-1.7
Filipino	38.7	44.6	40.3	39.3	36.0	-3.3	7.8	8.0	4.1	4.5	8.2	+3.7
Japanese	32.9	36.6	30.8	37.5	31.1	-6.4	5.4	6.2	1.9	6.6	5.8	-0.8
Native Hawaiian	52.4	56.0	57.8	60.2	58.2	-2.0	6.6	7.6	7.0	8.6	8.0	-0.6
White	58.8	59.3	57.4	55.7	55.5	-0.2	9.1	9.7	6.2	10.6	13.4	+2.8

(Table continued on next page)

**TABLE 21D (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cocaine						Methamphetamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	7.9	6.0	5.8	4.5	4.5	0.0	7.5	7.7	5.8	5.3	4.2	-1.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	6.0	4.9	4.4	4.1	4.8	+0.7	6.4	6.8	5.0	5.0	4.1	-0.9
Hawaii County	13.5	10.5	7.6	6.8	4.9	-1.9	9.7	8.2	5.8	6.1	4.1	-2.0
Kauai County	7.5	10.9	13.5	6.0	2.8	-3.2	5.0	11.4	10.2	5.0	2.0	-3.0
Maui County	9.5	5.1	5.9	4.7	3.6	-1.1	10.3	12.4	7.5	6.7	5.9	-0.8
<b>School Type:</b>												
Public School	8.6	6.6	6.3	4.6	4.3	-0.3	8.0	8.5	6.6	5.7	4.3	-1.4
Private/Charter School	6.7	5.1	4.5	4.1	5.4	+1.3	6.7	6.4	3.3	4.0	4.0	0.0
<b>Sex:</b>												
Male	8.7	6.6	6.9	5.2	4.6	-0.6	7.5	7.7	5.4	4.9	3.8	-1.1
Female	7.1	5.4	4.9	3.8	4.3	+0.5	7.4	7.6	6.1	5.7	4.7	-1.0
<b>Ethnicity: <sup>d</sup></b>												
Chinese	2.1	3.8	2.8	1.2	1.3	+0.1	1.0	3.5	1.7	0.8	0.5	-0.3
Filipino	6.0	4.9	4.1	2.7	3.0	+0.3	7.2	9.4	7.2	5.9	4.9	-1.0
Japanese	3.6	2.8	1.9	3.5	1.6	-1.9	5.0	3.9	2.7	4.3	2.5	-1.8
Native Hawaiian	8.0	6.8	7.0	4.0	5.0	+1.0	6.3	8.0	6.2	5.6	5.6	0.0
White	11.7	8.7	8.7	8.3	7.6	-0.7	11.0	9.9	6.1	7.0	4.8	-2.2

(Table continued on next page)

**TABLE 21D (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Heroin or Other Opiates						Sedatives/Tranquilizers					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	2.7	2.0	1.8	1.4	1.7	+0.3	4.8	3.9	3.8	5.8	5.4	-0.4
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	2.3	1.6	1.7	1.1	1.4	+0.3	3.5	3.3	2.8	4.8	4.9	+0.1
Hawaii County	3.9	3.6	1.8	2.8	3.1	+0.3	6.3	6.5	6.8	11.8	9.0	-2.8
Kauai County	1.3	1.8	1.7	0.7	2.0	+1.3	5.0	4.6	6.0	3.0	4.0	+1.0
Maui County	2.9	2.6	2.3	2.2	1.3	-0.9	7.0	4.8	4.8	8.8	4.4	-4.4
<b>School Type:</b>												
Public School	2.7	1.8	1.8	1.4	1.8	+0.4	5.1	3.8	3.8	5.6	5.2	-0.4
Private/Charter School	2.9	2.3	1.7	1.3	1.3	0.0	4.2	4.1	3.9	6.3	6.2	-0.1
<b>Sex:</b>												
Male	3.0	2.3	1.8	1.5	2.0	+0.5	5.1	3.6	3.9	6.6	5.7	-0.9
Female	2.4	1.7	1.7	1.2	1.4	+0.2	4.4	4.1	3.7	5.0	5.1	+0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.0	1.2	1.1	0.0	0.0	0.0	0.0	1.9	2.2	1.2	0.3	-0.9
Filipino	2.4	1.4	0.9	0.4	1.9	+1.5	2.4	2.8	1.1	2.1	2.8	+0.7
Japanese	0.4	0.5	0.5	0.9	1.0	+0.1	2.9	2.1	0.9	4.2	4.2	0.0
Native Hawaiian	2.6	2.5	1.7	1.0	0.8	-0.2	4.6	3.7	2.9	6.2	3.4	-2.8
White	2.5	2.6	3.0	2.4	3.3	+0.9	2.7	7.9	9.7	13.3	9.9	-3.4

(Table continued on next page)

**TABLE 21D (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Hallucinogens						Steroids					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	12.0	11.6	9.9	9.1	6.5	-2.6	2.4	1.6	1.8	2.8	2.4	-0.4
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	8.6	10.1	6.8	8.4	5.4	-3.0	2.0	1.5	1.9	2.5	2.4	-0.1
Hawaii County	20.4	16.9	13.9	14.4	13.3	-1.1	2.9	1.7	1.6	4.3	2.8	-1.5
Kauai County	11.3	13.0	21.5	7.0	5.5	-1.5	1.3	1.4	1.1	4.0	2.8	-1.2
Maui County	17.7	15.1	14.1	11.1	5.4	-5.7	2.5	2.5	1.8	2.7	1.6	-1.1
<b>School Type:</b>												
Public School	12.7	11.5	10.5	8.9	6.3	-2.6	2.2	1.6	1.7	2.7	2.5	-0.2
Private/Charter School	10.7	11.7	8.1	9.9	7.4	-2.5	2.9	1.6	2.0	3.0	2.2	-0.8
<b>Sex:</b>												
Male	13.2	12.5	10.6	9.7	6.9	-2.8	3.5	2.9	3.3	4.2	4.1	-0.1
Female	10.9	10.7	9.2	8.6	6.2	-2.4	1.3	0.6	0.6	1.4	1.0	-0.4
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.0	5.0	4.4	4.4	1.0	-3.4	0.0	0.4	0.6	2.0	3.2	+1.2
Filipino	5.1	7.8	4.6	5.5	3.7	-1.8	2.7	1.9	1.8	2.7	2.6	-0.1
Japanese	7.1	5.9	4.3	7.2	4.3	-2.9	1.1	0.6	0.5	1.3	1.7	+0.4
Native Hawaiian	12.0	11.2	9.4	9.4	5.0	-4.4	2.9	2.5	3.8	3.4	2.8	-0.6
White	27.6	26.0	20.7	16.6	12.9	-3.7	1.8	1.4	0.9	2.4	2.1	-0.3

(Table continued on next page)

**TABLE 21D (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Ecstasy/MDMA						GHB					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	5.3	8.4	10.6	6.4	-4.2	—	—	—	2.6	1.2	-1.4
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	5.2	7.9	11.6	6.8	-4.8	—	—	—	2.6	1.2	-1.4
Hawaii County	—	6.6	9.3	9.6	8.9	-0.7	—	—	—	4.0	2.1	-1.9
Kauai County	—	4.6	10.8	7.3	1.4	-5.9	—	—	—	1.7	0.7	-1.0
Maui County	—	5.4	8.0	7.5	3.8	-3.7	—	—	—	2.4	0.0	-2.4
<b>School Type:</b>												
Public School	—	4.9	7.6	10.1	6.4	-3.7	—	—	—	2.7	1.1	-1.6
Private/Charter School	—	6.0	10.9	12.1	6.5	-5.6	—	—	—	2.4	1.6	-0.8
<b>Sex:</b>												
Male	—	5.6	7.9	9.9	6.1	-3.8	—	—	—	2.8	0.7	-2.1
Female	—	5.1	8.6	11.3	6.7	-4.6	—	—	—	2.5	1.6	-0.9
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	4.6	6.6	7.3	3.8	-3.5	—	—	—	0.8	0.3	-0.5
Filipino	—	4.0	4.9	9.3	3.4	-5.9	—	—	—	2.2	1.0	-1.2
Japanese	—	2.4	5.2	9.0	5.1	-3.9	—	—	—	1.3	0.9	-0.4
Native Hawaiian	—	4.7	9.6	11.3	8.2	-3.1	—	—	—	3.1	2.4	-0.7
White	—	9.7	13.6	13.9	8.8	-5.1	—	—	—	4.0	1.2	-2.8

(Table continued on next page)

**TABLE 21D (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Rohypnol						Ketamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	—	—	0.9	0.8	-0.1	—	—	—	1.7	1.3	-0.4
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	—	—	0.8	0.8	0.0	—	—	—	1.7	1.2	-0.5
Hawaii County	—	—	—	2.0	1.0	-1.0	—	—	—	2.3	1.9	-0.4
Kauai County	—	—	—	0.7	0.7	0.0	—	—	—	1.7	0.7	-1.0
Maui County	—	—	—	0.8	0.4	-0.4	—	—	—	1.6	1.7	+0.1
<b>School Type:</b>												
Public School	—	—	—	0.8	0.8	0.0	—	—	—	1.7	1.4	-0.3
Private/Charter School	—	—	—	1.2	0.7	-0.5	—	—	—	1.8	0.9	-0.9
<b>Sex:</b>												
Male	—	—	—	1.1	0.6	-0.5	—	—	—	2.3	1.8	-0.5
Female	—	—	—	0.7	0.8	+0.1	—	—	—	1.2	1.0	-0.2
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	—	—	0.0	0.0	0.0	—	—	—	1.6	0.0	-1.6
Filipino	—	—	—	0.6	0.8	+0.2	—	—	—	1.0	0.9	-0.1
Japanese	—	—	—	0.6	0.5	-0.1	—	—	—	0.7	0.5	-0.2
Native Hawaiian	—	—	—	0.7	0.9	+0.2	—	—	—	1.8	0.7	-1.1
White	—	—	—	1.5	0.8	-0.7	—	—	—	2.9	2.9	0.0

(Table continued on next page)

**TABLE 21D (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Alcohol						Been Drunk					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	79.7	81.2	77.2	75.4	72.5	-2.9	52.2	55.4	53.0	53.5	51.6	-1.9
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	76.3	79.1	73.7	73.0	69.6	-3.4	44.7	51.8	45.9	50.2	47.5	-2.7
Hawaii County	85.0	89.7	85.4	82.9	82.3	-0.6	69.3	69.7	66.6	65.3	67.7	+2.4
Kauai County	83.3	80.8	84.4	80.3	69.4	-10.9	55.6	62.2	68.3	62.3	49.1	-13.2
Maui County	86.1	85.8	82.1	81.6	78.9	-2.7	63.6	59.1	66.9	60.5	57.6	-2.9
<b>School Type:</b>												
Public School	80.6	83.1	78.8	76.6	74.2	-2.4	53.3	57.1	54.7	54.0	52.2	-1.8
Private/Charter School	78.2	77.9	72.3	71.8	66.3	-5.5	50.2	52.6	47.7	52.2	49.6	-2.6
<b>Sex:</b>												
Male	77.8	79.7	76.3	72.9	69.2	-3.7	52.4	56.2	54.2	53.5	52.2	-1.3
Female	81.4	82.4	77.8	77.6	75.3	-2.3	52.0	54.7	51.9	53.6	51.4	-2.2
<b>Ethnicity: <sup>d</sup></b>												
Chinese	60.8	70.3	58.3	60.1	53.8	-6.3	24.2	33.5	27.1	31.6	26.3	-5.3
Filipino	81.6	84.0	76.3	75.9	73.1	-2.8	50.3	55.6	45.4	49.0	42.7	-6.3
Japanese	73.0	75.4	68.6	70.3	64.0	-6.3	42.7	45.0	40.1	44.7	43.1	-1.6
Native Hawaiian	82.9	82.2	82.8	80.9	78.1	-2.8	58.4	59.3	63.4	63.3	62.1	-1.2
White	86.1	86.9	83.6	79.8	76.8	-3.0	64.4	68.6	66.9	63.7	63.0	-0.7

(Table continued on next page)



**TABLE 21D (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Tobacco Use						Cigarettes					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	64.7	63.6	60.0	50.5	46.1	-4.4	62.7	62.4	58.8	49.4	45.3	-4.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	60.5	61.7	55.8	49.3	43.6	-5.7	59.0	60.4	54.4	48.4	42.9	-5.5
Hawaii County	74.0	70.7	67.4	54.4	57.7	+3.3	68.9	69.1	66.7	52.8	57.0	+4.2
Kauai County	68.3	68.5	69.8	49.8	40.5	-9.3	66.5	68.0	69.6	49.2	39.1	-10.1
Maui County	70.0	65.4	68.1	55.2	50.2	-5.0	68.4	64.8	66.9	53.4	48.8	-4.6
<b>School Type:</b>												
Public School	66.5	67.2	63.2	52.3	48.9	-3.4	64.5	66.2	62.3	51.3	48.3	-3.0
Private/Charter School	61.3	57.5	50.1	44.7	36.2	-8.5	59.2	55.9	48.2	43.6	34.9	-8.7
<b>Sex:</b>												
Male	64.7	63.1	59.0	48.2	44.1	-4.1	61.9	61.5	57.2	46.5	42.7	-3.8
Female	64.9	63.8	60.5	52.4	47.8	-4.6	63.5	63.0	59.8	51.9	47.6	-4.3
<b>Ethnicity: <sup>d</sup></b>												
Chinese	40.2	46.5	34.8	33.1	23.5	-9.6	39.2	45.2	32.2	32.7	23.5	-9.2
Filipino	68.5	67.8	64.7	55.2	48.9	-6.3	67.2	67.0	64.0	54.8	48.6	-6.2
Japanese	57.5	55.6	42.8	42.3	31.5	-10.8	55.2	54.3	41.8	41.9	29.7	-12.2
Native Hawaiian	63.7	66.0	68.0	53.4	54.5	+1.1	61.8	64.7	66.5	51.3	53.3	+2.0
White	73.3	67.0	64.9	52.9	53.3	+0.4	70.9	65.7	63.6	51.5	52.4	+0.9

(Table continued on next page)

**TABLE 21D (continued)**  
**Trends in Lifetime Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Smokeless Tobacco					
	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	16.8	15.9	10.0	8.0	7.5	-0.5
<b>Place of Residence:</b> <sup>c</sup>						
City & County of Honolulu	16.1	14.8	8.5	7.5	7.0	-0.5
Hawaii County	25.0	19.1	14.2	11.6	9.0	-2.6
Kauai County	16.1	18.4	11.2	5.7	6.5	+0.8
Maui County	12.8	18.5	13.5	10.1	9.4	-0.7
<b>School Type:</b>						
Public School	15.3	14.4	9.5	7.1	7.5	+0.4
Private/Charter School	19.8	18.5	11.6	11.2	7.6	-3.6
<b>Sex:</b>						
Male	25.8	25.6	17.8	13.1	11.9	-1.2
Female	8.9	7.2	4.0	3.5	3.5	0.0
<b>Ethnicity:</b> <sup>d</sup>						
Chinese	3.1	7.1	4.5	2.4	1.1	-1.3
Filipino	10.9	11.8	5.2	4.4	6.2	+1.8
Japanese	17.2	15.6	9.1	6.9	6.1	-0.8
Native Hawaiian	17.8	15.4	14.2	10.7	8.6	-2.1
White	20.7	20.3	12.7	10.0	10.2	+0.2

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> Any Illicit Drug, Including Inhalants includes the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was added to the survey in 1998; GHB, Rohypnol, and ketamine were added in 2002.

<sup>b</sup> Any Illicit Drug, Excluding Inhalants includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine.

<sup>c</sup> Place of Residence includes public, private, and charter school students who go to school in that particular county.

<sup>d</sup> Only ethnic/racial groups included in all four survey years are represented in the table.

**TABLE 22A**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Illicit Drug, Including Inhalants <sup>a</sup>						Any Illicit Drug, Excluding Inhalants <sup>b</sup>					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	7.7	6.7	4.2	5.0	3.8	-1.2	4.3	3.7	2.4	2.7	2.2	-0.5
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	7.1	6.1	3.3	4.4	3.3	-1.1	3.5	3.0	1.7	2.0	1.8	-0.2
Hawaii County	10.5	8.7	9.2	6.2	5.5	-0.7	7.1	5.5	5.8	4.2	4.5	+0.3
Kauai County	6.1	7.3	3.2	6.2	2.1	-4.1	4.1	5.2	1.4	2.4	1.1	-1.3
Maui County	9.4	8.1	5.0	7.4	5.2	-2.2	6.8	5.3	3.4	5.4	2.9	-2.5
<b>School Type:</b>												
Public School	7.9	6.7	4.3	5.1	4.2	-0.9	4.4	3.8	2.5	2.7	2.5	-0.2
Private/Charter School	4.9	6.5	1.9	4.2	1.9	-2.3	2.1	2.7	1.0	2.3	1.3	-1.0
<b>Sex:</b>												
Male	8.5	6.7	4.9	5.4	4.5	-0.9	5.2	4.1	3.2	3.1	2.7	-0.4
Female	7.0	6.7	3.5	4.7	2.9	-1.8	3.4	3.2	1.8	2.3	1.7	-0.6
<b>Ethnicity: <sup>d</sup></b>												
Chinese	4.5	5.1	2.2	3.9	1.6	-2.3	1.0	1.6	1.6	2.1	0.3	-1.8
Filipino	8.4	7.8	3.7	5.0	4.8	-0.2	3.9	3.8	1.8	2.4	2.8	+0.4
Japanese	5.5	3.8	2.0	2.8	1.5	-1.3	2.5	1.3	0.9	1.3	0.6	-0.7
Native Hawaiian	11.3	8.1	6.4	6.8	4.1	-2.7	7.4	5.2	4.4	4.7	2.8	-1.9
White	5.5	7.2	3.6	5.2	3.2	-2.0	2.8	3.9	2.3	2.3	1.5	-0.8

(Table continued on next page)

**TABLE 22A (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Inhalants					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	3.4	2.6	1.3	1.3	1.0	-0.3	5.1	4.5	2.4	2.8	1.9	-0.9
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	2.6	2.0	0.8	0.8	0.7	-0.1	5.1	4.3	2.0	2.8	1.9	-0.9
Hawaii County	6.1	4.3	3.3	2.4	2.8	+0.4	5.4	5.5	4.6	2.2	1.9	-0.3
Kauai County	3.6	3.9	1.0	1.5	0.3	-1.2	3.9	3.5	2.2	4.2	1.3	-2.9
Maui County	5.3	4.1	2.2	3.3	0.7	-2.6	4.9	5.0	2.1	3.0	2.2	-0.8
<b>School Type:</b>												
Public School	3.5	2.7	1.3	1.3	1.1	-0.2	5.2	4.5	2.5	2.8	2.1	-0.7
Private/Charter School	1.0	1.6	0.8	0.9	0.3	-0.6	3.4	4.3	1.0	3.0	1.0	-2.0
<b>Sex:</b>												
Male	4.2	3.0	1.7	1.4	0.8	-0.6	5.3	4.1	2.6	2.8	2.2	-0.6
Female	2.6	2.1	0.9	1.2	1.0	-0.2	4.8	5.0	2.1	2.8	1.5	-1.3
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.7	0.5	0.3	0.5	0.3	-0.2	3.4	4.0	1.6	2.5	1.3	-1.2
Filipino	2.9	2.4	0.9	0.7	1.2	+0.5	5.9	5.9	2.5	3.1	2.3	-0.8
Japanese	1.5	0.5	0.3	0.3	0.1	-0.2	4.0	2.8	1.2	1.8	1.0	-0.8
Native Hawaiian	6.4	3.9	2.5	2.9	1.6	-1.3	6.5	4.9	3.1	2.6	1.6	-1.0
White	1.9	3.0	1.2	1.5	0.5	-1.0	4.1	4.7	1.8	3.2	2.2	-1.0

(Table continued on next page)

**TABLE 22A (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cocaine						Methamphetamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	1.3	1.3	0.4	0.4	0.4	0.0	1.0	1.0	0.3	0.2	0.2	0.0
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	1.3	1.2	0.4	0.4	0.4	0.0	0.9	0.9	0.2	0.2	0.2	0.0
Hawaii County	0.7	1.5	0.9	0.4	0.6	+0.2	0.8	1.3	0.8	0.4	0.6	+0.2
Kauai County	1.4	1.2	0.0	0.0	0.6	+0.6	0.7	1.2	0.0	0.0	0.3	+0.3
Maui County	2.3	1.9	0.7	0.6	0.2	-0.4	1.9	1.3	0.5	0.5	0.0	-0.5
<b>School Type:</b>												
Public School	1.4	1.4	0.5	0.4	0.5	+0.1	1.0	1.0	0.3	0.3	0.2	-0.1
Private/Charter School	0.3	0.5	0.0	0.2	0.4	+0.2	0.3	0.1	0.0	0.2	0.2	0.0
<b>Sex:</b>												
Male	1.7	1.3	0.5	0.5	0.6	+0.1	1.4	1.0	0.3	0.4	0.3	-0.1
Female	1.0	1.3	0.4	0.3	0.3	0.0	0.6	0.9	0.3	0.1	0.2	+0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.0	1.1	0.3	0.3	0.0	-0.3	0.3	0.3	0.0	0.3	0.0	-0.3
Filipino	1.4	1.4	0.4	0.5	0.6	+0.1	0.8	1.1	0.1	0.5	0.4	-0.1
Japanese	1.1	0.5	0.3	0.3	0.1	-0.2	0.6	0.1	0.1	0.1	0.0	-0.1
Native Hawaiian	1.9	1.4	0.6	0.5	0.3	-0.2	1.4	1.4	0.3	0.2	0.2	0.0
White	0.9	1.2	0.1	0.1	0.4	+0.3	0.9	0.8	0.1	0.1	0.2	+0.1

(Table continued on next page)

**TABLE 22A (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Heroin or Other Opiates						Sedatives/Tranquilizers					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	1.0	0.8	0.1	0.1	0.1	0.0	0.9	0.7	0.2	0.1	0.3	+0.2
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	0.8	0.7	0.1	0.1	0.1	0.0	0.8	0.6	0.2	0.1	0.3	+0.2
Hawaii County	1.1	1.2	0.4	0.1	0.2	+0.1	1.2	1.2	0.3	0.3	0.5	+0.2
Kauai County	0.9	0.0	0.0	0.2	0.0	-0.2	0.9	0.2	0.0	0.0	0.0	0.0
Maui County	1.7	1.4	0.2	0.1	0.1	0.0	1.1	1.1	0.2	0.2	0.0	-0.2
<b>School Type:</b>												
Public School	1.0	0.9	0.1	0.1	0.1	0.0	0.9	0.8	0.2	0.1	0.3	+0.2
Private/Charter School	0.3	0.4	0.0	0.2	0.1	-0.1	0.3	0.4	0.2	0.3	0.2	-0.1
<b>Sex:</b>												
Male	1.4	0.9	0.2	0.1	0.2	+0.1	1.2	0.9	0.3	0.2	0.5	+0.3
Female	0.6	0.7	0.1	0.1	0.0	-0.1	0.6	0.6	0.1	0.1	0.0	-0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.3	0.0	-0.3
Filipino	0.7	0.6	0.1	0.1	0.3	+0.2	0.5	0.6	0.0	0.1	0.7	+0.6
Japanese	0.6	0.1	0.2	0.1	0.0	-0.1	0.6	0.1	0.1	0.1	0.0	-0.1
Native Hawaiian	1.4	1.3	0.2	0.2	0.1	-0.1	1.4	0.9	0.2	0.1	0.2	+0.1
White	0.9	0.6	0.0	0.0	0.1	+0.1	0.9	0.7	0.2	0.1	0.2	+0.1

(Table continued on next page)

**TABLE 22A (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Hallucinogens						Steroids					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	1.0	0.9	0.3	0.2	0.2	0.0	1.0	1.1	0.8	0.9	0.8	-0.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	0.9	0.6	0.2	0.1	0.2	+0.1	0.9	1.1	0.6	0.8	0.7	-0.1
Hawaii County	1.1	1.7	0.6	0.3	0.2	-0.1	1.2	1.5	2.1	1.0	1.2	+0.2
Kauai County	0.7	0.5	0.2	0.2	0.0	-0.2	0.7	0.7	0.4	0.2	0.3	+0.1
Maui County	2.3	1.7	0.3	0.3	0.0	-0.3	1.3	1.5	0.8	1.8	1.3	-0.5
<b>School Type:</b>												
Public School	1.1	0.9	0.3	0.2	0.2	0.0	1.0	1.2	0.8	0.8	0.9	+0.1
Private/Charter School	0.5	0.4	0.0	0.2	0.0	-0.2	0.5	0.7	0.2	1.5	0.4	-1.1
<b>Sex:</b>												
Male	1.5	0.9	0.4	0.2	0.3	+0.1	1.3	1.3	1.1	1.1	1.2	+0.1
Female	0.6	0.8	0.2	0.1	0.0	-0.1	0.7	1.0	0.5	0.7	0.4	-0.3
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.0	0.5	0.0	0.3	0.0	-0.3	0.0	0.5	0.3	1.0	0.0	-1.0
Filipino	1.0	0.7	0.1	0.1	0.5	+0.4	0.7	0.9	0.6	1.1	1.1	0.0
Japanese	0.4	0.1	0.2	0.1	0.1	0.0	0.9	0.4	0.5	0.8	0.2	-0.6
Native Hawaiian	1.6	1.2	0.3	0.3	0.1	-0.2	1.6	1.8	1.4	1.1	1.1	0.0
White	0.9	1.1	0.3	0.1	0.1	0.0	0.8	0.8	0.8	0.4	0.5	+0.1

(Table continued on next page)

**TABLE 22A (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Ecstasy/MDMA						GHB					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	0.7	0.1	0.1	0.2	+0.1	—	—	—	0.1	0.3	+0.2
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	0.6	0.1	0.1	0.2	+0.1	—	—	—	0.1	0.3	+0.2
Hawaii County	—	0.9	0.4	0.2	0.3	+0.1	—	—	—	0.2	0.5	+0.3
Kauai County	—	0.2	0.0	0.0	0.0	0.0	—	—	—	0.0	0.0	0.0
Maui County	—	1.5	0.1	0.2	0.5	+0.3	—	—	—	0.2	0.0	-0.2
<b>School Type:</b>												
Public School	—	0.8	0.2	0.1	0.2	+0.1	—	—	—	0.1	0.3	+0.2
Private/Charter School	—	0.4	0.0	0.5	0.2	-0.3	—	—	—	0.2	0.2	0.0
<b>Sex:</b>												
Male	—	0.9	0.2	0.1	0.4	+0.3	—	—	—	0.2	0.4	+0.2
Female	—	0.6	0.1	0.1	0.0	-0.1	—	—	—	0.1	0.1	0.0
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	0.3	0.0	0.3	0.0	-0.3	—	—	—	0.0	0.0	0.0
Filipino	—	0.6	0.1	0.1	0.6	+0.5	—	—	—	0.1	0.6	+0.5
Japanese	—	0.0	0.3	0.1	0.0	-0.1	—	—	—	0.1	0.0	-0.1
Native Hawaiian	—	1.2	0.2	0.1	0.1	0.0	—	—	—	0.1	0.2	+0.1
White	—	0.6	0.0	0.0	0.1	+0.1	—	—	—	0.1	0.1	0.0

(Table continued on next page)



**TABLE 22A (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Rohypnol						Ketamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	—	—	0.2	0.4	+0.2	—	—	—	0.1	0.4	+0.3
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	—	—	0.1	0.4	+0.3	—	—	—	0.1	0.4	+0.3
Hawaii County	—	—	—	0.2	0.5	+0.3	—	—	—	0.1	0.5	+0.4
Kauai County	—	—	—	0.2	0.0	-0.2	—	—	—	0.2	0.0	-0.2
Maui County	—	—	—	0.3	0.0	-0.3	—	—	—	0.4	0.4	0.0
<b>School Type:</b>												
Public School	—	—	—	0.2	0.5	+0.3	—	—	—	0.1	0.4	+0.3
Private/Charter School	—	—	—	0.3	0.0	-0.3	—	—	—	0.3	0.1	-0.2
<b>Sex:</b>												
Male	—	—	—	0.2	0.5	+0.3	—	—	—	0.1	0.5	+0.4
Female	—	—	—	0.1	0.2	+0.1	—	—	—	0.1	0.2	+0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	—	—	0.3	0.0	-0.3	—	—	—	0.0	0.0	0.0
Filipino	—	—	—	0.1	0.9	+0.8	—	—	—	0.1	0.6	+0.5
Japanese	—	—	—	0.1	0.0	-0.1	—	—	—	0.1	0.2	+0.1
Native Hawaiian	—	—	—	0.1	0.3	+0.2	—	—	—	0.1	0.2	+0.1
White	—	—	—	0.1	0.2	0.1	—	—	—	0.1	0.3	+0.2

(Table continued on next page)

**TABLE 22A (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Alcohol						Any Tobacco Use					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	14.4	12.0	9.1	7.8	3.9	-3.9	11.2	8.6	4.0	3.9	2.9	-1.0
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	13.1	10.9	7.5	7.0	3.2	-3.8	9.8	8.0	3.2	3.4	2.4	-1.0
Hawaii County	19.9	15.9	16.0	8.2	6.1	-2.1	15.4	9.9	6.8	3.6	4.2	+0.6
Kauai County	14.7	16.6	10.4	8.7	6.9	-1.8	13.3	10.1	4.2	4.2	3.3	-0.9
Maui County	16.3	13.1	11.8	12.5	4.0	-8.5	13.8	10.3	5.8	7.5	3.9	-3.6
<b>School Type:</b>												
Public School	14.4	12.1	9.5	7.9	4.2	-3.7	11.3	9.0	4.1	4.1	3.2	-0.9
Private/Charter School	13.8	10.9	4.5	6.1	2.7	-3.4	7.5	4.5	1.8	1.5	1.0	-0.5
<b>Sex:</b>												
Male	14.0	12.8	9.9	7.6	3.9	-3.7	10.8	8.4	4.0	3.7	3.1	-0.6
Female	14.7	11.3	8.5	8.0	3.8	-4.2	11.4	8.7	3.9	4.1	2.7	-1.4
<b>Ethnicity: <sup>d</sup></b>												
Chinese	7.5	8.1	2.2	3.7	1.7	-2.0	3.5	3.5	0.6	1.5	0.4	-1.1
Filipino	14.6	13.4	9.5	9.2	3.6	-5.6	13.8	11.2	5.2	5.0	3.1	-1.9
Japanese	10.2	6.5	4.6	4.3	2.1	-2.2	5.6	2.8	0.8	1.3	0.6	-0.7
Native Hawaiian	19.0	13.4	13.5	9.7	5.0	-4.7	17.6	11.1	5.5	5.5	4.6	-0.9
White	15.4	15.4	8.6	7.6	4.2	-3.4	6.6	7.2	2.4	2.4	1.7	0.0

(Table continued on next page)

**TABLE 22A (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cigarettes						Smokeless Tobacco					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	10.8	8.1	3.8	3.6	2.6	-1.0	1.9	1.5	0.5	0.6	0.6	0.0
<b>Place of Residence:</b> <sup>c</sup>												
City & County of Honolulu	9.4	7.6	3.0	3.0	2.1	-0.9	1.8	1.4	0.4	0.5	0.6	+0.1
Hawaii County	14.9	9.3	6.7	3.3	4.1	+0.8	2.1	1.9	0.7	0.3	0.4	+0.1
Kauai County	13.3	9.9	3.8	3.7	3.3	-0.4	1.6	0.7	0.4	0.4	0.3	-0.1
Maui County	13.6	9.6	5.6	7.4	3.6	-3.8	2.8	2.2	0.5	1.0	0.8	-0.2
<b>School Type:</b>												
Public School	11.0	8.5	4.0	3.7	2.9	-0.8	2.0	1.6	0.5	0.5	0.7	+0.2
Private/Charter School	7.5	4.4	1.4	1.5	0.9	-0.6	1.0	0.9	0.3	0.7	0.3	-0.4
<b>Sex:</b>												
Male	10.4	7.9	3.8	3.4	2.7	-0.7	2.3	1.7	0.4	0.6	0.8	+0.2
Female	11.0	8.3	3.8	3.7	2.5	-1.2	1.6	1.4	0.4	0.5	0.3	-0.2
<b>Ethnicity:</b> <sup>d</sup>												
Chinese	3.4	2.9	0.6	1.2	0.4	-0.8	0.0	1.1	0.0	0.8	0.0	-0.8
Filipino	13.4	10.8	4.9	4.6	2.8	-1.8	2.2	1.5	0.4	0.6	0.5	-0.1
Japanese	5.5	2.6	0.8	1.2	0.4	-0.8	1.0	0.3	0.3	0.3	0.3	0.0
Native Hawaiian	16.9	10.7	5.3	5.0	4.4	-0.6	3.4	2.0	0.7	0.7	0.5	-0.2
White	6.4	6.7	2.4	2.3	1.3	-1.0	1.3	1.6	0.1	0.3	0.4	+0.1

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> Any Illicit Drug, Including Inhalants includes the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was added to the survey in 1998; GHB, Rohypnol, and ketamine were added in 2002.

<sup>b</sup> Any Illicit Drug, Excluding Inhalants includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine.

<sup>c</sup> Place of Residence includes public, private, and charter school students who go to school in that particular county.

<sup>d</sup> Only ethnic/racial groups included in all four survey years are represented in the table.

**TABLE 22B**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Illicit Drug, Including Inhalants <sup>a</sup>						Any Illicit Drug, Excluding Inhalants <sup>b</sup>					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	18.4	14.7	11.8	11.9	10.2	-1.7	15.7	13.0	10.3	10.5	8.0	-2.5
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	15.5	12.4	10.4	10.8	9.2	-1.6	12.3	10.6	8.8	9.2	7.0	-2.2
Hawaii County	25.0	18.4	17.3	15.4	12.8	-2.6	22.6	16.5	15.3	14.9	10.8	-4.1
Kauai County	24.4	16.1	11.2	13.7	16.8	+3.1	22.0	15.0	9.7	12.4	12.3	-0.1
Maui County	22.4	22.4	14.4	12.6	10.7	-1.9	21.5	21.4	13.5	11.5	9.0	-2.5
<b>School Type:</b>												
Public School	18.4	15.7	12.3	12.2	11.1	-1.1	16.1	14.2	10.8	10.9	8.8	-2.1
Private/Charter School	18.0	11.1	8.3	9.6	7.1	-2.5	13.8	8.9	6.5	7.3	5.0	-2.3
<b>Sex:</b>												
Male	17.6	14.5	11.9	10.3	8.6	-1.7	15.8	13.4	10.8	9.3	7.2	-2.1
Female	19.0	14.8	11.6	13.1	11.9	-1.2	15.7	12.6	9.6	11.4	8.5	-2.9
<b>Ethnicity: <sup>d</sup></b>												
Chinese	7.1	4.2	1.9	2.4	3.8	+1.4	6.6	3.0	1.9	2.1	1.1	-1.0
Filipino	17.9	13.4	10.3	10.0	9.9	-0.1	15.4	11.1	8.2	8.5	6.2	-2.3
Japanese	9.3	7.2	3.8	5.7	4.0	-1.7	6.8	5.2	3.2	4.2	2.4	-1.8
Native Hawaiian	25.7	22.6	21.0	18.4	14.1	-4.3	22.9	21.2	18.5	17.8	12.5	-5.3
White	19.3	17.1	10.9	12.1	10.1	-2.0	16.0	16.0	9.6	10.4	7.7	-2.7

(Table continued on next page)

**TABLE 22B (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Inhalants					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	14.8	11.8	8.9	9.1	6.6	-2.5	7.2	4.8	3.2	3.4	3.6	+0.2
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	11.5	9.3	7.6	7.9	5.5	-2.4	7.3	4.5	3.1	3.7	3.6	-0.1
Hawaii County	22.1	15.5	13.2	13.0	9.0	-4.0	7.3	4.9	4.5	2.9	3.2	+0.3
Kauai County	21.3	14.3	8.9	11.7	11.5	-0.2	7.9	4.2	2.1	3.1	6.6	+3.5
Maui County	20.0	20.3	12.3	9.7	8.3	-1.4	7.1	6.4	2.4	2.1	2.7	+0.6
<b>School Type:</b>												
Public School	15.1	13.0	9.4	9.5	7.4	-2.1	7.1	4.9	3.2	3.3	3.6	+0.3
Private/Charter School	13.3	7.6	5.4	6.1	3.9	-2.2	8.1	4.3	3.0	4.0	3.4	-0.6
<b>Sex:</b>												
Male	15.0	11.8	9.4	7.9	5.9	-2.0	6.3	4.6	2.7	2.7	2.4	-0.3
Female	14.6	11.7	8.5	10.1	7.2	-2.9	7.9	4.9	3.6	4.0	4.9	+0.9
<b>Ethnicity: <sup>d</sup></b>												
Chinese	5.7	2.1	1.2	1.2	0.8	-0.4	2.4	2.4	0.0	9.0	2.7	-6.3
Filipino	13.6	10.0	6.7	6.8	5.0	-1.8	8.4	4.4	3.9	3.1	4.7	+1.6
Japanese	6.1	4.4	3.0	3.7	1.6	-2.1	4.3	4.0	0.9	2.4	2.4	0.0
Native Hawaiian	21.9	20.0	17.1	16.4	11.2	-5.2	7.0	6.0	5.6	3.0	3.0	0.0
White	14.8	14.4	7.9	9.3	6.5	-2.8	7.5	4.7	2.7	3.7	3.6	-0.1

(Table continued on next page)

**TABLE 22B (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cocaine						Methamphetamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	3.4	2.6	1.2	1.3	0.7	-0.6	3.0	3.1	1.1	1.2	0.8	-0.4
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	3.3	2.1	1.1	1.3	0.8	-0.5	2.7	2.8	1.1	1.1	0.9	-0.2
Hawaii County	2.4	2.6	1.4	1.3	0.3	-1.0	2.8	3.0	1.3	0.9	0.4	-0.5
Kauai County	3.6	4.0	0.8	1.7	0.0	-1.7	2.7	3.7	0.3	1.9	1.0	-0.9
Maui County	6.2	4.7	1.4	1.2	0.7	-0.5	6.0	4.4	1.1	1.6	0.3	-1.3
<b>School Type:</b>												
Public School	3.6	2.9	1.2	1.4	0.7	-0.7	3.1	3.4	1.1	1.3	0.9	-0.4
Private/Charter School	2.6	1.6	0.7	0.7	0.5	-0.2	2.3	1.8	1.0	0.4	0.4	0.0
<b>Sex:</b>												
Male	3.9	2.9	1.1	1.2	0.8	-0.4	3.6	3.3	1.1	1.0	0.9	-0.1
Female	3.0	2.3	1.2	1.4	0.5	-0.9	2.5	2.8	1.0	1.3	0.5	-0.8
<b>Ethnicity: <sup>d</sup></b>												
Chinese	1.4	0.9	0.0	0.3	0.0	-0.3	0.5	0.9	0.0	0.3	0.0	-0.3
Filipino	3.6	2.1	0.9	1.3	0.4	-0.9	3.8	2.7	0.5	1.2	0.6	-0.6
Japanese	1.5	1.2	0.3	0.8	0.3	-0.5	0.9	1.3	0.3	0.7	0.2	-0.5
Native Hawaiian	4.0	3.8	2.7	1.4	0.9	-0.5	3.6	4.6	1.8	1.3	1.0	-0.3
White	2.3	2.5	0.7	0.7	0.3	0.0	2.3	3.2	0.6	0.3	0.3	0.0

(Table continued on next page)

**TABLE 22B (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Heroin or Other Opiates						Sedatives/Tranquilizers					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	2.4	1.8	0.8	0.7	0.5	-0.2	2.5	2.1	1.0	0.9	0.6	-0.3
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	2.2	1.4	0.7	0.6	0.5	-0.1	2.3	1.7	0.8	0.9	0.5	-0.4
Hawaii County	2.3	2.1	1.0	0.7	0.5	-0.2	2.6	2.8	1.8	1.1	1.3	+0.2
Kauai County	3.0	2.4	0.5	1.0	0.4	-0.6	2.4	1.9	0.8	1.0	0.9	-0.1
Maui County	4.5	3.7	0.9	0.9	0.5	-0.4	4.0	3.6	1.1	0.9	0.1	-0.8
<b>School Type:</b>												
Public School	2.7	2.1	0.8	0.7	0.5	-0.2	2.6	2.2	0.9	1.0	0.6	-0.4
Private/Charter School	1.1	1.1	0.6	0.4	0.2	-0.2	1.8	1.4	1.2	0.5	0.5	0.0
<b>Sex:</b>												
Male	3.2	2.4	0.9	0.9	0.7	-0.2	3.0	2.5	0.7	0.8	0.5	-0.3
Female	1.8	1.3	0.6	0.6	0.2	-0.4	2.0	1.7	1.1	1.0	0.6	-0.4
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.5	1.2	0.0	0.3	0.0	-0.3	1.4	0.9	0.0	0.6	0.0	-0.6
Filipino	2.5	1.0	0.6	0.6	0.4	-0.2	2.6	1.2	0.6	0.8	0.5	-0.3
Japanese	0.7	0.7	0.1	0.4	0.2	-0.2	0.8	0.9	0.1	0.5	0.3	-0.2
Native Hawaiian	3.3	2.8	1.3	0.6	0.6	0.0	2.7	3.0	1.6	0.8	0.9	+0.1
White	1.8	1.8	0.5	0.4	0.2	-0.2	2.8	2.7	0.9	0.7	0.8	+0.1

(Table continued on next page)

**TABLE 22B (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Hallucinogens						Steroids					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	4.2	2.8	1.4	1.3	0.7	-0.6	2.2	1.8	1.3	1.3	1.0	-0.3
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	3.3	2.0	1.1	1.2	0.6	-0.6	2.1	1.5	1.0	1.2	0.9	-0.3
Hawaii County	6.2	3.7	2.5	1.8	1.4	-0.4	1.7	2.3	2.7	1.4	1.3	-0.1
Kauai County	6.3	3.2	1.0	1.3	0.0	-1.3	2.4	1.9	0.8	1.3	1.3	0.0
Maui County	6.5	6.8	1.9	1.6	0.8	-0.8	4.3	3.4	1.6	1.6	0.9	-0.7
<b>School Type:</b>												
Public School	4.4	3.1	1.5	1.5	0.7	-0.8	2.4	2.0	1.3	1.3	1.0	-0.3
Private/Charter School	3.4	1.8	0.8	0.4	0.5	+0.1	1.1	1.3	1.2	1.1	1.1	0.0
<b>Sex:</b>												
Male	5.0	3.4	1.3	1.4	0.8	-0.6	3.2	2.5	1.7	1.7	0.9	-0.8
Female	3.6	2.3	1.4	1.3	0.6	-0.7	1.4	1.3	0.9	0.9	0.9	0.0
<b>Ethnicity: <sup>d</sup></b>												
Chinese	1.4	1.2	0.0	0.3	0.0	-0.3	0.5	1.8	0.8	0.6	0.3	-0.3
Filipino	4.2	1.5	0.6	0.8	0.8	0.0	3.0	1.2	1.5	1.3	0.7	-0.6
Japanese	1.6	1.1	0.4	0.9	0.2	-0.7	0.8	0.7	0.1	0.2	0.3	+0.1
Native Hawaiian	5.1	4.3	2.5	1.8	0.5	-1.3	1.9	3.3	2.1	1.3	1.5	+0.2
White	4.3	5.0	1.2	1.2	1.0	-0.2	1.3	1.2	1.5	1.3	0.8	-0.5

(Table continued on next page)



**TABLE 22B (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Ecstasy/MDMA						GHB					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	2.0	1.3	1.7	0.9	-0.8	—	—	—	1.0	0.5	-0.5
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	1.7	1.3	1.6	0.9	-0.7	—	—	—	0.9	0.6	-0.3
Hawaii County	—	2.6	1.3	1.4	1.3	-0.1	—	—	—	0.9	0.4	-0.5
Kauai County	—	2.1	0.8	2.1	0.5	-1.6	—	—	—	1.3	0.8	-0.5
Maui County	—	3.0	1.1	2.3	0.3	-2.0	—	—	—	1.2	0.5	-0.7
<b>School Type:</b>												
Public School	—	2.1	1.3	1.8	0.9	-0.9	—	—	—	1.1	0.6	-0.5
Private/Charter School	—	1.5	0.7	0.7	0.7	0.0	—	—	—	0.4	0.3	-0.1
<b>Sex:</b>												
Male	—	2.4	1.3	1.5	0.9	-0.6	—	—	—	1.2	0.6	-0.6
Female	—	1.6	1.2	1.8	0.8	-1.0	—	—	—	0.8	0.5	-0.3
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	1.5	0.0	0.3	0.0	-0.3	—	—	—	0.3	0.0	-0.3
Filipino	—	1.1	0.5	1.4	1.1	-0.3	—	—	—	0.7	0.5	-0.2
Japanese	—	1.1	0.4	1.0	0.4	-0.6	—	—	—	0.6	0.3	-0.3
Native Hawaiian	—	2.6	3.0	2.5	0.9	-1.6	—	—	—	1.0	0.8	-0.2
White	—	1.9	1.5	1.1	0.5	-0.6	—	—	—	0.8	0.6	-0.2

(Table continued on next page)

**TABLE 22B (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Rohypnol						Ketamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	—	—	0.8	0.4	-0.4	—	—	—	0.7	0.6	-0.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	—	—	0.8	0.4	-0.4	—	—	—	0.7	0.5	-0.2
Hawaii County	—	—	—	0.5	0.3	-0.2	—	—	—	0.3	0.7	+0.4
Kauai County	—	—	—	1.1	0.8	-0.3	—	—	—	1.3	1.4	+0.1
Maui County	—	—	—	1.1	0.3	-0.8	—	—	—	0.9	0.5	-0.4
<b>School Type:</b>												
Public School	—	—	—	0.8	0.5	-0.3	—	—	—	0.7	0.7	0.0
Private/Charter School	—	—	—	0.4	0.2	-0.2	—	—	—	0.2	0.3	+0.1
<b>Sex:</b>												
Male	—	—	—	1.0	0.6	-0.4	—	—	—	1.0	0.6	-0.4
Female	—	—	—	0.6	0.2	-0.4	—	—	—	0.4	0.5	+0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	—	—	0.3	0.0	-0.3	—	—	—	0.6	0.0	-0.6
Filipino	—	—	—	0.5	0.4	-0.1	—	—	—	0.7	0.7	0.0
Japanese	—	—	—	0.5	0.0	-0.5	—	—	—	0.5	0.2	-0.3
Native Hawaiian	—	—	—	0.7	0.9	+0.2	—	—	—	0.3	0.7	+0.4
White	—	—	—	0.4	0.2	-0.2	—	—	—	0.3	0.4	+0.1

(Table continued on next page)

**TABLE 22B (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Alcohol						Any Tobacco Use					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	30.2	25.3	22.1	20.4	14.6	-5.8	26.1	19.1	12.5	10.2	9.0	-1.2
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	28.0	22.0	19.1	18.2	13.4	-4.8	24.4	17.8	12.2	9.8	8.2	-1.6
Hawaii County	34.8	34.2	33.0	27.1	18.5	-8.6	27.5	22.4	14.0	11.9	10.8	-1.1
Kauai County	31.8	27.3	28.7	26.1	18.7	-7.4	29.6	21.6	13.5	12.7	10.6	-2.1
Maui County	36.4	32.1	24.3	21.2	15.8	-5.4	32.3	21.4	11.9	8.3	10.6	+2.3
<b>School Type:</b>												
Public School	30.4	26.2	23.0	20.9	15.8	-5.1	27.1	20.6	13.2	11.0	10.4	-0.6
Private/Charter School	29.3	22.3	15.9	17.0	10.7	-6.3	21.7	14.1	7.4	4.6	3.8	-0.8
<b>Sex:</b>												
Male	25.7	21.5	18.4	15.3	10.8	-4.5	22.1	15.2	9.4	7.1	5.9	-1.2
Female	33.9	28.2	24.7	24.4	18.2	-6.2	29.5	22.2	14.7	12.6	11.6	-1.0
<b>Ethnicity: <sup>d</sup></b>												
Chinese	16.5	11.9	7.3	8.8	4.5	-4.3	13.7	6.5	3.8	3.2	0.7	-2.5
Filipino	32.0	24.1	21.6	19.6	13.9	-5.7	32.9	23.0	13.9	8.7	9.3	+0.6
Japanese	18.4	15.2	9.6	9.9	7.0	-2.9	16.0	11.7	4.3	4.7	2.4	-2.3
Native Hawaiian	37.6	32.6	32.3	30.2	21.8	-8.4	29.7	23.3	17.0	15.4	13.2	-2.2
White	28.3	31.6	25.1	22.8	15.3	-7.5	22.8	17.2	11.1	8.8	6.4	-2.4

(Table continued on next page)

**TABLE 22B (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cigarettes						Smokeless Tobacco					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	25.5	18.7	12.1	9.7	8.5	-1.2	4.5	2.9	1.5	1.5	1.4	-0.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	23.7	17.4	11.9	9.3	7.8	-1.5	4.1	2.4	1.5	1.5	1.7	+0.2
Hawaii County	27.1	22.0	13.2	11.6	10.7	-0.9	4.3	3.4	1.7	1.4	0.5	-0.9
Kauai County	29.6	21.1	13.5	21.1	10.1	-11.0	4.8	3.7	0.5	1.3	1.0	-0.3
Maui County	31.4	20.5	11.4	7.5	10.2	+2.7	8.0	4.7	1.3	1.6	1.4	-0.2
<b>School Type:</b>												
Public School	26.3	20.1	12.8	10.4	9.9	-0.5	4.7	2.8	1.5	1.6	1.6	0.0
Private/Charter School	20.9	13.6	7.1	4.2	3.5	-0.7	3.7	2.9	1.1	1.1	0.9	-0.2
<b>Sex:</b>												
Male	21.3	14.5	9.0	6.5	5.3	-1.2	5.5	3.3	1.9	1.7	1.4	-0.3
Female	28.8	22.0	14.4	12.2	11.3	-0.9	3.8	2.5	1.0	1.4	1.3	-0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	13.2	5.9	3.4	2.7	0.7	-2.0	0.9	1.2	0.4	0.9	0.0	-0.9
Filipino	31.9	22.5	13.6	8.4	9.1	+0.7	5.4	1.9	1.0	1.1	1.1	0.0
Japanese	15.7	11.7	4.3	4.5	2.4	-2.1	2.0	1.5	0.4	0.8	0.3	-0.5
Native Hawaiian	28.5	22.6	16.3	14.2	12.7	-1.5	5.7	4.8	2.9	1.9	1.9	0.0
White	22.5	16.8	10.5	8.4	6.1	-2.3	2.5	2.3	1.3	1.1	0.8	-0.3

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> *Any Illicit Drug, Including Inhalants* includes the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was added to the survey in 1998; GHB, Rohypnol, and ketamine were added in 2002.

<sup>b</sup> *Any Illicit Drug, Excluding Inhalants* includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine.

<sup>c</sup> *Place of Residence* includes public, private, and charter school students who go to school in that particular county.

<sup>d</sup> Only ethnic/racial groups included in all four survey years are represented in the table.

**TABLE 22C**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Illicit Drug, Including Inhalants <sup>a</sup>						Any Illicit Drug, Excluding Inhalants <sup>b</sup>					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	22.7	23.6	19.0	20.7	16.6	-4.1	22.0	23.3	18.6	20.0	15.9	-4.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	18.9	20.9	15.9	18.1	15.1	-3.0	18.1	20.5	15.5	17.4	14.3	-3.1
Hawaii County	31.7	31.0	26.4	25.4	23.2	-2.2	31.4	31.0	26.0	25.0	22.3	-2.7
Kauai County	27.4	32.4	21.5	28.7	12.1	-16.6	27.0	32.4	21.0	28.3	12.1	-16.2
Maui County	27.9	28.3	25.4	26.3	19.1	-7.2	27.0	28.3	25.4	25.7	19.1	-6.6
<b>School Type:</b>												
Public School	23.3	25.2	19.8	21.7	16.8	-4.9	22.8	24.9	19.4	21.1	16.1	-5.0
Private/Charter School	21.2	20.0	16.1	17.5	15.6	-1.9	20.1	19.4	15.8	16.6	15.1	-1.5
<b>Sex:</b>												
Male	23.9	25.8	20.1	20.3	17.8	-2.5	23.2	25.3	19.6	19.8	17.2	-2.6
Female	21.6	21.9	18.2	20.8	15.7	-5.1	21.0	21.7	17.9	20.0	14.8	-5.2
<b>Ethnicity: <sup>d</sup></b>												
Chinese	9.5	8.2	4.7	8.4	6.7	-1.7	8.5	8.2	4.2	8.0	5.7	-2.3
Filipino	16.4	21.0	11.6	16.4	15.2	-1.2	15.2	20.5	11.6	15.2	14.4	-0.8
Japanese	16.2	15.0	10.2	12.5	9.0	-3.5	15.9	14.4	9.8	12.1	8.6	-3.5
Native Hawaiian	30.6	30.9	29.5	28.7	25.0	-3.7	30.3	30.7	29.1	28.1	24.6	-3.5
White	29.8	30.1	28.8	29.3	17.9	-11.4	29.0	29.6	27.7	28.6	17.6	-11.0

(Table continued on next page)

**TABLE 22C (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Inhalants					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	21.2	22.3	17.2	18.4	14.8	-3.6	3.1	2.4	1.5	2.2	2.0	-0.2
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	17.3	19.5	14.0	15.6	13.2	-2.4	2.7	2.2	1.5	2.4	1.9	-0.5
Hawaii County	31.0	30.3	24.5	23.0	20.8	-2.2	4.3	2.5	2.3	2.8	2.2	-0.6
Kauai County	26.1	31.0	19.6	26.6	11.5	-15.1	2.4	4.4	1.7	1.3	1.5	+0.2
Maui County	25.7	27.2	24.9	24.9	18.5	-6.4	5.4	2.1	0.7	1.7	2.1	+0.4
<b>School Type:</b>												
Public School	22.1	24.0	18.1	19.5	15.0	-4.5	2.9	2.4	1.3	2.0	2.0	0.0
Private/Charter School	18.7	18.2	14.3	14.9	14.3	-0.6	3.7	2.3	2.2	2.8	1.9	-0.9
<b>Sex:</b>												
Male	22.3	24.3	18.1	18.5	15.6	-2.9	4.3	3.1	1.5	2.4	2.4	0.0
Female	20.2	20.7	16.6	18.2	14.1	-4.1	2.1	1.7	1.4	2.0	1.9	-0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	8.8	7.5	3.0	7.1	5.7	-1.4	1.4	1.6	0.5	1.6	1.3	-0.3
Filipino	14.7	19.0	9.6	13.1	12.8	-0.3	2.2	2.3	0.6	2.2	1.3	-0.9
Japanese	15.8	13.9	8.4	11.1	7.4	-3.7	2.5	1.5	1.0	1.5	1.5	0.0
Native Hawaiian	28.9	29.7	28.0	26.3	24.1	-2.2	3.5	2.6	2.0	2.5	2.1	-0.4
White	28.2	28.9	26.6	27.2	16.9	-10.3	3.0	2.4	3.0	2.6	1.6	-1.0

(Table continued on next page)

**TABLE 22C (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cocaine						Methamphetamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	2.7	2.3	1.3	1.2	0.9	-0.3	2.8	3.0	1.6	1.8	1.2	-0.6
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	2.1	2.0	1.2	1.3	0.6	-0.7	2.0	2.6	1.5	1.6	1.1	-0.5
Hawaii County	4.7	2.9	2.6	1.2	1.5	+0.3	4.3	2.3	2.9	2.6	1.2	-1.4
Kauai County	3.1	5.2	1.2	1.8	1.5	-0.3	4.2	6.3	1.5	3.4	1.3	-2.1
Maui County	3.6	1.4	0.7	0.7	1.9	+1.2	4.5	3.9	1.0	1.7	1.5	-0.2
<b>School Type:</b>												
Public School	2.9	2.5	1.2	1.1	0.9	-0.2	3.1	3.2	1.6	1.9	1.4	-0.5
Private/Charter School	2.2	1.7	1.8	1.4	1.0	-0.4	1.9	2.6	1.6	1.4	0.5	-0.9
<b>Sex:</b>												
Male	3.4	3.3	1.7	1.3	1.4	+0.1	3.2	3.5	1.6	1.8	1.1	-0.7
Female	2.2	1.5	1.0	1.1	0.6	-0.5	2.5	2.5	1.6	1.8	1.1	-0.7
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.7	1.6	0.0	0.8	0.0	-0.8	1.4	1.6	0.0	0.8	0.3	-0.5
Filipino	0.8	2.1	0.8	1.0	0.3	-0.7	2.6	3.4	0.6	2.0	0.8	-1.2
Japanese	2.1	1.1	0.4	1.0	0.6	-0.4	2.5	1.0	1.0	0.9	0.7	-0.2
Native Hawaiian	3.9	3.4	2.0	1.2	0.2	-1.0	2.3	4.3	1.8	2.1	0.6	-1.5
White	2.3	1.9	1.8	2.0	1.8	-0.2	1.9	2.4	1.9	2.5	1.5	-1.0

(Table continued on next page)

**TABLE 22C (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Heroin or Other Opiates						Sedatives/Tranquilizers					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	1.4	1.4	0.5	0.7	0.6	-0.1	1.9	1.7	1.2	1.7	1.0	-0.7
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	0.7	1.3	0.5	0.8	0.3	-0.5	1.4	1.4	0.8	1.4	0.5	-0.9
Hawaii County	2.7	1.5	1.2	1.2	1.1	-0.1	3.2	2.3	2.7	3.5	2.1	-1.4
Kauai County	1.4	2.8	0.3	0.5	0.9	+0.4	1.7	2.7	1.2	2.6	1.0	-1.6
Maui County	4.1	1.2	0.3	0.5	1.4	+0.9	4.1	2.9	1.7	1.8	2.3	+0.5
<b>School Type:</b>												
Public School	1.5	1.4	0.5	0.7	0.7	0.0	1.9	1.8	1.0	1.5	1.0	-0.5
Private/Charter School	1.0	1.4	0.6	0.8	0.3	-0.5	2.1	1.6	1.8	2.4	0.9	-1.5
<b>Sex:</b>												
Male	2.2	2.3	0.7	1.0	1.1	+0.1	2.8	2.2	1.1	1.6	1.0	-0.6
Female	0.7	0.7	0.4	0.5	0.2	-0.3	1.2	1.3	1.1	1.8	0.8	-1.0
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.7	0.9	0.0	0.8	0.0	-0.8	1.4	0.9	0.5	1.2	0.6	-0.6
Filipino	0.8	1.0	0.4	0.8	0.0	-0.8	1.0	0.7	0.8	1.0	0.5	-0.5
Japanese	1.0	0.9	0.3	0.5	0.0	-0.5	1.1	0.9	0.4	0.8	0.2	-0.6
Native Hawaiian	1.2	1.4	0.9	0.5	0.2	-0.3	2.7	1.7	1.3	1.4	0.4	-1.0
White	1.1	2.0	0.6	0.8	1.2	+0.4	1.1	1.9	2.2	4.1	1.6	-2.5

(Table continued on next page)



**TABLE 22C (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Hallucinogens						Steroids					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	4.3	3.6	2.2	1.8	1.0	-0.8	1.4	1.3	1.0	1.2	1.1	-0.1
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	3.0	2.9	1.7	1.5	0.7	-0.8	1.1	1.1	0.8	1.3	1.0	-0.3
Hawaii County	7.7	3.5	3.9	4.3	1.5	-2.8	2.3	1.9	1.5	1.4	1.0	-0.4
Kauai County	5.6	7.7	2.5	1.8	1.0	-0.8	1.7	2.2	1.5	1.0	0.4	-0.6
Maui County	6.3	5.6	2.5	2.0	2.0	0.0	2.3	1.2	0.8	1.1	1.7	+0.6
<b>School Type:</b>												
Public School	4.2	3.9	2.3	1.8	1.0	-0.8	1.4	1.3	1.0	1.3	1.1	-0.2
Private/Charter School	4.6	2.9	1.9	1.8	1.0	-0.8	1.5	1.3	0.9	1.1	0.8	-0.3
<b>Sex:</b>												
Male	5.5	4.3	2.6	2.0	1.3	-0.7	2.2	2.4	1.7	1.8	2.2	+0.4
Female	3.3	3.0	1.9	1.6	0.6	-1.0	0.8	0.4	0.4	0.7	0.3	-0.4
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.7	1.3	0.0	1.2	0.0	-1.2	0.7	0.6	0.5	1.2	0.3	-0.9
Filipino	1.0	1.9	1.1	0.8	0.2	-0.6	0.8	1.2	0.6	1.2	0.7	-0.5
Japanese	2.7	1.4	0.8	1.0	0.2	-0.8	0.8	0.4	0.7	0.3	1.1	+0.8
Native Hawaiian	5.1	4.4	2.0	1.6	0.9	-0.7	2.1	1.8	2.0	2.0	1.1	-0.9
White	10.3	7.2	4.9	3.6	2.0	-1.6	0.4	0.7	1.2	1.2	0.7	-0.5

(Table continued on next page)

**TABLE 22C (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Ecstasy/MDMA						GHB					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	1.9	2.9	2.3	1.1	-1.2	—	—	—	1.0	0.7	-0.3
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	1.8	3.3	2.4	0.8	-1.6	—	—	—	1.0	0.3	-0.7
Hawaii County	—	2.1	3.2	2.9	2.0	-0.9	—	—	—	1.8	1.7	-0.1
Kauai County	—	3.3	2.0	3.3	0.4	-2.9	—	—	—	1.0	0.4	-0.6
Maui County	—	1.2	1.2	1.1	2.2	+1.1	—	—	—	0.6	1.7	+1.1
<b>School Type:</b>												
Public School	—	2.0	2.7	2.2	1.3	-0.9	—	—	—	1.1	0.8	-0.3
Private/Charter School	—	1.6	3.8	2.8	0.7	-2.1	—	—	—	0.9	0.3	-0.6
<b>Sex:</b>												
Male	—	2.7	2.9	2.2	1.6	-0.6	—	—	—	1.2	1.0	-0.2
Female	—	1.3	2.9	2.4	0.8	-1.6	—	—	—	0.8	0.4	-0.4
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	0.9	0.5	0.8	0.0	-0.8	—	—	—	0.4	0.0	-0.4
Filipino	—	0.8	1.8	2.2	0.7	-1.5	—	—	—	0.9	0.3	-0.6
Japanese	—	0.7	1.6	1.9	0.3	-1.6	—	—	—	0.8	0.0	-0.8
Native Hawaiian	—	2.3	4.2	2.8	0.8	-2.0	—	—	—	1.2	0.1	-1.1
White	—	3.0	4.5	2.6	1.2	-1.4	—	—	—	1.1	1.0	-0.1

(Table continued on next page)

**TABLE 22C (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Rohypnol						Ketamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	—	—	0.6	0.5	-0.1	—	—	—	0.8	0.5	-0.3
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	—	—	0.7	0.1	-0.6	—	—	—	0.8	0.1	-0.7
Hawaii County	—	—	—	1.0	1.3	+0.3	—	—	—	1.4	1.5	+0.1
Kauai County	—	—	—	0.5	0.4	-0.1	—	—	—	0.5	0.4	-0.1
Maui County	—	—	—	0.1	1.7	+1.6	—	—	—	0.5	1.3	+0.8
<b>School Type:</b>												
Public School	—	—	—	0.5	0.5	0.0	—	—	—	0.7	0.5	-0.2
Private/Charter School	—	—	—	0.9	0.3	-0.6	—	—	—	0.9	0.3	-0.6
<b>Sex:</b>												
Male	—	—	—	0.8	0.9	+0.1	—	—	—	0.9	1.0	+0.1
Female	—	—	—	0.5	0.1	-0.4	—	—	—	0.6	0.1	-0.5
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	—	—	0.4	0.0	-0.4	—	—	—	0.0	0.3	+0.3
Filipino	—	—	—	0.3	0.0	-0.3	—	—	—	0.8	0.0	-0.8
Japanese	—	—	—	0.6	0.0	-0.6	—	—	—	0.6	0.0	-0.6
Native Hawaiian	—	—	—	0.5	0.2	-0.3	—	—	—	0.5	0.2	-0.3
White	—	—	—	0.8	0.5	-0.3	—	—	—	0.8	0.5	-0.3

(Table continued on next page)

**TABLE 22C (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Alcohol						Any Tobacco Use					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	41.2	37.6	32.5	33.9	27.0	-6.9	26.7	24.9	17.1	14.2	11.6	-2.6
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	36.0	35.0	28.5	31.3	24.7	-6.6	23.5	21.8	16.0	13.2	11.9	-1.3
Hawaii County	52.7	48.0	46.2	40.4	35.7	-4.7	34.1	35.5	19.3	17.8	11.7	-6.1
Kauai County	45.8	44.6	36.1	40.4	25.8	-14.6	32.4	36.5	18.0	18.4	11.0	-7.4
Maui County	52.5	39.9	35.7	39.6	30.4	-9.2	28.8	27.1	19.9	15.1	10.0	-5.1
<b>School Type:</b>												
Public School	41.3	38.5	32.8	34.9	27.4	-7.5	28.5	27.0	18.5	15.5	12.4	-3.1
Private/Charter School	40.9	35.3	31.4	30.8	25.6	-5.2	22.0	20.0	12.1	10.2	8.2	-2.0
<b>Sex:</b>												
Male	38.4	35.4	29.6	30.8	23.5	-7.3	24.7	23.0	14.2	12.7	10.1	-2.6
Female	43.4	39.3	34.3	36.5	30.1	-6.4	28.3	26.5	19.2	15.5	12.6	-2.9
<b>Ethnicity: <sup>d</sup></b>												
Chinese	23.0	19.0	10.0	17.9	12.5	-5.4	12.4	11.8	5.0	7.0	5.8	-1.2
Filipino	37.9	33.8	27.4	33.2	27.9	-5.3	27.7	26.5	16.5	14.0	10.6	-3.4
Japanese	37.2	29.1	24.5	24.6	18.0	-6.6	23.7	21.1	10.7	9.4	5.4	-4.0
Native Hawaiian	48.6	46.1	41.1	41.6	35.5	-6.1	29.7	27.8	21.8	17.6	15.3	-2.3
White	46.2	47.1	41.4	42.0	29.6	-12.4	27.0	27.7	20.3	16.3	13.0	-3.3

(Table continued on next page)

**TABLE 22C (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cigarettes						Smokeless Tobacco					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	25.8	24.1	16.6	13.5	11.3	-2.2	3.7	3.0	1.4	1.8	0.9	-0.9
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	22.8	21.2	15.5	12.7	11.6	-1.1	3.1	2.5	1.2	1.5	1.0	-0.5
Hawaii County	33.3	33.7	18.7	16.5	11.2	-5.3	5.9	4.8	2.6	3.1	1.0	-2.1
Kauai County	30.7	35.1	17.3	18.2	10.5	-7.7	4.2	4.7	2.0	0.8	0.9	+0.1
Maui County	27.9	26.2	19.3	13.4	10.0	-3.4	3.6	2.7	1.0	2.9	0.2	-2.7
<b>School Type:</b>												
Public School	27.7	26.3	18.1	15.0	12.2	-2.8	3.3	2.4	1.3	1.6	0.8	-0.8
Private/Charter School	20.9	18.8	11.3	9.1	7.7	-1.4	4.8	4.3	1.9	2.5	1.3	-1.2
<b>Sex:</b>												
Male	23.1	21.4	13.4	11.4	9.8	-1.6	6.1	5.4	2.2	2.8	1.2	-1.6
Female	28.0	26.3	18.8	15.3	12.5	-2.8	1.7	1.0	0.8	0.9	0.6	-0.3
<b>Ethnicity: <sup>d</sup></b>												
Chinese	12.8	11.5	4.5	6.3	5.8	-0.5	0.7	1.2	0.5	2.0	0.0	-2.0
Filipino	27.1	25.7	16.2	13.8	10.6	-3.2	2.4	2.6	1.1	1.0	0.4	-0.6
Japanese	22.8	20.7	10.1	8.7	5.2	-3.5	3.8	2.4	1.3	1.1	0.5	-0.6
Native Hawaiian	28.5	26.9	21.4	16.6	15.0	-1.6	3.4	3.5	1.8	2.0	1.1	-0.9
White	26.2	26.4	19.7	15.3	12.7	-2.6	25.8	3.0	1.6	2.1	1.5	-0.6

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> *Any Illicit Drug, Including Inhalants* includes the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was added to the survey in 1998; GHB, Rohypnol, and ketamine were added in 2002.

<sup>b</sup> *Any Illicit Drug, Excluding Inhalants* includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine.

<sup>c</sup> *Place of Residence* includes public, private, and charter school students who go to school in that particular county.

<sup>d</sup> Only ethnic/racial groups included in all four survey years are represented in the table.

**TABLE 22D**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Any Illicit Drug, Including Inhalants <sup>a</sup>						Any Illicit Drug, Excluding Inhalants <sup>b</sup>					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	26.3	24.5	24.7	23.1	19.8	-3.3	25.9	24.3	24.5	22.9	19.6	-3.3
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	22.5	23.0	19.4	20.6	16.1	-4.5	22.0	22.9	19.3	20.3	15.7	-4.6
Hawaii County	29.6	30.0	30.4	30.4	27.3	-3.1	29.6	29.8	30.2	30.4	27.3	-3.1
Kauai County	28.7	28.6	39.7	25.3	27.1	+1.8	28.7	28.1	39.7	25.2	27.1	+1.9
Maui County	36.0	25.3	36.8	31.5	29.7	-1.8	36.0	24.7	36.6	31.3	29.5	-1.8
<b>School Type:</b>												
Public School	26.2	25.3	25.7	23.1	19.8	-3.3	25.8	25.1	25.6	23.0	19.6	-3.4
Private/Charter School	26.6	23.0	21.5	22.9	19.9	-3.0	26.0	22.8	21.1	22.3	19.5	-2.8
<b>Sex:</b>												
Male	28.7	26.5	27.0	25.8	22.3	-3.5	28.2	26.4	27.0	25.5	22.2	-3.3
Female	24.2	22.5	22.8	20.6	17.4	-3.2	23.8	22.2	22.6	20.5	17.1	-3.4
<b>Ethnicity: <sup>d</sup></b>												
Chinese	10.3	13.7	8.9	9.4	6.9	-2.5	9.0	13.6	8.8	8.9	6.9	-2.0
Filipino	19.9	21.5	20.2	18.7	13.7	-5.0	19.5	21.1	20.2	18.7	13.6	-5.1
Japanese	17.7	14.1	14.7	15.8	11.8	-4.0	17.7	13.7	14.7	15.8	11.8	-4.0
Native Hawaiian	33.0	29.3	32.5	30.3	27.7	-2.6	33.1	29.3	32.5	30.2	27.5	-2.7
White	35.8	35.2	35.0	31.7	26.5	-5.2	34.2	34.9	35.0	31.2	25.9	-5.3

(Table continued on next page)

**TABLE 22D (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Inhalants					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	25.0	23.0	22.7	21.1	18.4	-2.7	2.4	1.4	0.8	1.3	1.3	0.0
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	21.1	21.7	17.2	18.7	14.5	-4.2	1.9	1.1	0.8	1.5	1.2	-0.3
Hawaii County	28.9	28.5	28.5	27.2	26.1	-1.1	2.4	2.1	0.6	1.5	1.5	0.0
Kauai County	26.9	27.2	38.4	23.8	26.6	+2.8	2.6	1.9	1.4	0.3	2.8	+2.5
Maui County	34.3	23.0	35.7	29.4	28.0	-1.4	2.5	2.2	0.9	1.0	1.0	0.0
<b>School Type:</b>												
Public School	25.3	23.9	24.0	21.2	18.4	-2.8	2.4	1.1	0.7	1.1	1.3	+0.2
Private/Charter School	24.3	21.5	18.5	20.9	18.3	-2.6	2.4	1.8	1.2	2.2	1.2	-1.0
<b>Sex:</b>												
Male	27.0	24.8	25.3	23.7	20.6	-3.1	3.0	1.7	1.0	2.1	1.6	-0.5
Female	23.2	21.3	20.6	18.8	16.1	-2.7	1.8	1.0	0.7	0.7	0.9	+0.2
<b>Ethnicity: <sup>d</sup></b>												
Chinese	8.2	12.5	7.7	7.1	5.0	-2.1	1.0	0.0	0.6	1.6	0.0	-1.6
Filipino	18.8	19.4	17.8	13.1	12.3	-0.8	2.1	1.6	0.2	0.6	1.1	+0.5
Japanese	17.3	13.2	12.9	11.1	10.7	-0.4	0.0	0.9	0.7	0.2	0.7	+0.5
Native Hawaiian	31.6	28.2	31.3	26.3	25.5	-0.8	2.6	1.5	0.7	0.7	1.1	+0.4
White	34.4	33.0	32.5	27.2	25.3	-1.9	3.0	1.2	1.5	2.3	2.0	-0.3

(Table continued on next page)

**TABLE 22D (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cocaine						Methamphetamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	3.6	1.8	1.5	1.3	1.5	+0.2	2.8	2.3	1.6	1.8	0.8	-1.0
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	2.6	1.4	1.3	1.3	1.4	+0.1	2.0	1.8	1.4	1.7	0.6	-1.1
Hawaii County	4.9	3.2	1.8	1.8	1.5	-0.3	3.9	2.3	1.0	2.3	1.3	-1.0
Kauai County	3.8	3.2	4.3	1.3	2.1	+0.8	1.3	5.6	3.1	1.0	0.7	-0.3
Maui County	4.5	1.9	0.7	1.0	1.7	+0.7	4.5	4.1	2.0	2.7	1.8	-0.9
<b>School Type:</b>												
Public School	3.7	1.9	1.5	1.1	1.5	+0.4	3.0	2.9	1.7	2.0	1.0	-1.0
Private/Charter School	3.3	1.5	1.7	1.7	1.4	-0.3	2.6	1.3	1.1	1.4	0.4	-1.0
<b>Sex:</b>												
Male	4.3	2.2	1.9	1.7	2.0	+0.3	3.1	2.3	1.8	2.0	1.3	-0.7
Female	2.9	1.3	1.1	0.8	1.1	+0.3	2.6	2.1	1.4	1.7	0.5	-1.2
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.0	0.4	0.6	0.4	0.4	0.0	0.0	0.4	0.6	0.0	0.0	0.0
Filipino	2.7	1.6	0.6	0.5	0.6	+0.1	2.1	3.3	2.2	2.2	0.4	-1.8
Japanese	1.1	0.3	0.7	1.1	1.0	-0.1	1.4	0.5	0.5	1.2	0.5	-0.7
Native Hawaiian	4.3	2.2	1.9	1.1	2.0	+0.9	3.2	2.5	1.9	2.3	2.1	-0.2
White	6.7	2.2	2.4	1.7	2.0	+0.3	3.7	2.4	1.7	2.4	0.7	-1.7

(Table continued on next page)



**TABLE 22D (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Heroin or Other Opiates						Sedatives/Tranquilizers					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	1.7	0.7	0.5	0.4	0.3	-0.1	2.0	1.6	1.6	1.8	1.0	-0.8
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	1.1	0.4	0.6	0.4	0.3	-0.1	1.5	1.1	1.0	1.4	0.8	-0.6
Hawaii County	1.9	1.5	0.8	1.0	0.4	-0.6	1.9	3.4	3.7	3.8	2.6	-1.2
Kauai County	0.6	0.9	0.0	0.0	0.0	0.0	1.3	2.3	2.0	0.7	0.7	0.0
Maui County	2.9	1.6	0.5	0.3	0.3	0.0	3.3	2.5	2.3	3.2	0.5	-2.7
<b>School Type:</b>												
Public School	1.6	0.7	0.5	0.4	0.3	-0.1	2.1	1.7	1.4	1.7	0.9	-0.8
Private/Charter School	1.8	0.5	0.7	0.5	0.4	-0.1	2.0	1.4	2.1	2.3	1.7	-0.6
<b>Sex:</b>												
Male	2.2	0.9	0.7	0.7	0.4	-0.3	2.0	1.8	1.6	2.1	1.0	-1.1
Female	1.2	0.4	0.4	0.2	0.2	0.0	1.9	1.3	1.6	1.6	1.0	-0.6
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.8	0.3	-0.5
Filipino	1.2	0.9	0.0	0.1	0.4	+0.3	0.6	1.2	0.3	0.6	0.0	-0.6
Japanese	0.4	0.0	0.2	0.1	0.2	+0.1	0.7	0.5	0.2	0.8	0.5	-0.3
Native Hawaiian	2.0	1.1	0.5	0.3	0.3	0.0	2.3	2.2	1.0	1.9	1.1	-0.8
White	1.8	0.4	1.1	0.7	0.7	0.0	3.0	2.2	5.0	4.4	2.3	-2.1

(Table continued on next page)

**TABLE 22D (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Hallucinogens						Steroids					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	5.3	3.1	2.0	1.7	1.1	-0.6	1.7	1.0	0.9	1.1	0.8	-0.3
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	4.1	2.5	1.6	1.4	0.6	-0.8	1.3	0.9	1.0	1.0	0.8	-0.2
Hawaii County	9.7	4.7	2.4	3.8	3.4	-0.4	1.5	1.3	0.6	2.0	0.5	-1.5
Kauai County	3.2	4.2	2.3	0.7	1.4	+0.7	0.6	1.9	0.6	1.3	1.4	+0.1
Maui County	6.2	4.1	3.2	2.2	0.8	-1.4	2.5	1.6	0.9	1.0	1.0	0.0
<b>School Type:</b>												
Public School	5.2	2.9	1.9	1.4	1.1	-0.3	1.5	1.0	0.9	1.0	0.8	-0.2
Private/Charter School	5.5	3.2	2.2	2.7	1.1	-1.6	2.2	1.1	0.9	1.3	0.9	-0.4
<b>Sex:</b>												
Male	6.2	3.7	2.2	2.4	1.7	-0.7	2.2	1.8	1.4	1.8	1.6	-0.2
Female	4.4	2.3	1.7	1.0	0.5	-0.5	1.2	0.3	0.4	0.4	0.2	-0.2
<b>Ethnicity: <sup>d</sup></b>												
Chinese	0.0	0.0	1.1	0.0	0.0	0.0	1.0	0.0	0.0	0.8	1.6	+0.8
Filipino	2.1	2.9	1.4	0.8	0.7	-0.1	1.5	1.7	1.2	1.2	1.1	-0.1
Japanese	2.5	1.4	0.5	1.4	1.4	0.0	0.4	0.0	0.3	0.5	0.8	+0.3
Native Hawaiian	5.7	2.9	1.7	1.9	0.7	-1.2	2.0	2.1	1.0	0.7	1.2	+0.5
White	9.8	7.1	4.1	2.8	2.1	-0.7	1.2	0.4	0.6	1.0	0.3	-0.7

(Table continued on next page)

**TABLE 22D (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Ecstasy/MDMA						GHB					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	1.7	3.9	2.5	0.8	-1.7	—	—	—	0.8	0.2	-0.6
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	1.6	4.2	2.9	0.9	-2.0	—	—	—	0.8	0.2	-0.6
Hawaii County	—	1.9	3.9	2.3	1.3	-1.0	—	—	—	0.8	0.6	-0.2
Kauai County	—	1.9	3.1	1.0	0.0	-1.0	—	—	—	0.7	0.0	-0.7
Maui County	—	2.2	3.0	1.3	0.3	-1.0	—	—	—	0.5	0.3	-0.2
<b>School Type:</b>												
Public School	—	1.5	3.4	2.2	0.9	-1.3	—	—	—	0.8	0.3	-0.5
Private/Charter School	—	2.0	5.5	3.1	0.7	-2.4	—	—	—	0.6	0.1	-0.5
<b>Sex:</b>												
Male	—	1.9	3.5	2.8	0.8	-2.0	—	—	—	1.1	0.5	-0.6
Female	—	1.5	4.1	2.2	0.8	-1.4	—	—	—	0.5	0.0	-0.5
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	0.8	1.7	2.0	0.0	-2.0	—	—	—	0.0	0.0	0.0
Filipino	—	1.7	2.8	1.9	1.0	-0.9	—	—	—	0.6	0.4	-0.2
Japanese	—	0.3	3.1	2.0	0.9	-1.1	—	—	—	0.1	0.2	+0.1
Native Hawaiian	—	1.7	4.6	2.6	0.5	-2.1	—	—	—	1.0	0.6	-0.4
White	—	3.1	5.5	2.8	1.0	-1.8	—	—	—	0.4	0.1	-0.3

(Table continued on next page)

**TABLE 22D (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Rohypnol						Ketamine					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	—	—	—	0.4	0.3	-0.1	—	—	—	0.6	0.4	-0.2
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	—	—	—	0.3	0.1	-0.2	—	—	—	0.6	0.1	-0.5
Hawaii County	—	—	—	0.8	0.5	-0.3	—	—	—	0.5	0.9	+0.4
Kauai County	—	—	—	0.3	0.7	+0.4	—	—	—	0.7	0.7	0.0
Maui County	—	—	—	0.2	0.6	+0.4	—	—	—	0.3	1.0	+0.7
<b>School Type:</b>												
Public School	—	—	—	0.3	0.3	0.0	—	—	—	0.5	0.5	0.0
Private/Charter School	—	—	—	0.4	0.0	-0.4	—	—	—	0.7	0.1	-0.6
<b>Sex:</b>												
Male	—	—	—	0.7	0.5	-0.2	—	—	—	0.9	0.6	-0.3
Female	—	—	—	0.0	0.1	+0.1	—	—	—	0.3	0.2	-0.1
<b>Ethnicity: <sup>d</sup></b>												
Chinese	—	—	—	0.0	0.0	0.0	—	—	—	0.0	0.0	0.0
Filipino	—	—	—	0.2	0.2	0.0	—	—	—	0.3	0.2	-0.1
Japanese	—	—	—	0.1	0.4	+0.3	—	—	—	0.5	0.4	-0.1
Native Hawaiian	—	—	—	0.3	0.5	+0.2	—	—	—	0.6	0.8	+0.2
White	—	—	—	0.6	0.0	-0.6	—	—	—	0.6	0.1	-0.5

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**TABLE 22D (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Alcohol						Any Tobacco Use					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	46.3	45.0	43.2	43.0	36.3	-6.7	28.9	29.7	23.4	19.0	17.0	-2.0
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	42.6	42.4	36.2	40.5	33.3	-7.2	27.6	27.5	20.0	18.8	15.1	-3.7
Hawaii County	56.1	55.8	57.1	55.1	49.7	-5.4	34.5	35.8	30.0	23.8	26.3	+2.5
Kauai County	46.2	53.0	62.5	44.8	26.3	-18.5	33.5	38.4	32.1	13.7	14.1	+0.4
Maui County	52.5	44.2	52.8	48.9	41.9	-7.0	24.9	33.3	29.1	19.2	17.9	-1.3
<b>School Type:</b>												
Public School	46.2	45.3	44.7	42.3	35.8	-6.5	30.9	32.6	25.1	19.2	17.7	-1.5
Private/Charter School	46.4	44.4	38.5	45.2	37.9	-7.3	24.5	24.8	18.2	18.2	14.3	-3.9
<b>Sex:</b>												
Male	47.4	46.5	44.9	44.2	35.8	-8.4	27.9	29.5	23.1	19.7	17.0	-2.7
Female	45.4	43.7	41.7	41.9	37.2	-4.7	29.4	29.8	23.7	18.2	16.7	-1.5
<b>Ethnicity: <sup>d</sup></b>												
Chinese	28.9	30.6	28.6	29.0	25.6	-3.4	17.0	21.2	11.0	12.2	6.8	-5.4
Filipino	41.4	45.7	40.9	40.7	28.0	-12.7	29.4	33.9	25.0	20.7	15.3	-5.4
Japanese	38.8	36.2	32.1	35.7	28.9	-6.8	26.7	26.1	16.6	15.3	12.5	-2.8
Native Hawaiian	53.3	47.6	45.2	50.4	45.1	-5.3	28.7	25.7	24.6	20.0	19.5	-0.5
White	56.4	55.2	54.1	51.5	46.9	-4.6	28.8	31.5	27.1	19.6	21.9	+2.3

(Table continued on next page)

**TABLE 22D (continued)**  
**Trends in Monthly (30-Day) Prevalence of Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Cigarettes						Smokeless Tobacco					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	27.9	28.9	22.6	18.1	16.3	-1.8	5.2	3.1	2.0	2.2	1.6	-0.6
<b>Place of Residence: <sup>c</sup></b>												
City & County of Honolulu	26.9	27.1	19.1	17.8	14.7	-3.1	4.9	2.3	1.7	2.5	1.2	-1.3
Hawaii County	32.5	34.5	29.8	23.1	25.5	+2.4	7.8	3.8	2.2	3.0	2.0	-1.0
Kauai County	32.3	36.1	31.8	13.7	12.7	-1.0	3.8	5.6	2.0	0.0	2.1	+2.1
Maui County	23.6	30.8	27.5	18.7	15.9	-2.8	4.6	7.0	3.0	0.8	3.5	+2.7
<b>School Type:</b>												
Public School	30.3	31.8	24.4	18.7	17.0	-1.7	4.5	2.6	1.8	1.3	1.6	+0.3
Private/Charter School	23.5	23.9	17.0	16.3	13.5	-2.8	6.5	4.0	2.5	4.8	2.0	-2.8
<b>Sex:</b>												
Male	26.5	27.8	21.5	18.1	15.6	-2.5	9.4	5.8	3.9	4.0	3.2	-0.8
Female	29.1	29.7	23.4	18.0	16.6	-1.4	1.6	0.8	0.4	0.6	0.2	-0.4
<b>Ethnicity: <sup>d</sup></b>												
Chinese	15.5	21.0	10.4	12.2	6.8	-5.4	2.1	1.2	0.6	0.4	0.0	-0.4
Filipino	29.7	33.7	24.5	20.3	14.4	-5.9	2.4	3.1	1.1	0.9	1.5	+0.6
Japanese	26.7	25.7	15.5	14.7	11.9	-2.8	3.6	3.1	2.1	2.1	1.2	-0.9
Native Hawaiian	26.6	24.9	24.2	18.0	18.2	+0.2	8.6	2.5	1.5	3.1	2.4	-0.7
White	29.3	30.0	26.2	18.9	21.5	+2.6	3.0	3.4	2.6	2.2	0.7	-1.5

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> *Any Illicit Drug, Including Inhalants* includes the use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was added to the survey in 1998; GHB, Rohypnol, and ketamine were added in 2002.

<sup>b</sup> *Any Illicit Drug, Excluding Inhalants* includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, tranquilizers or sedatives, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine.

<sup>c</sup> *Place of Residence* includes public, private, and charter school students who go to school in that particular county.

<sup>d</sup> Only ethnic/racial groups included in all four survey years are represented in the table.

**TABLE 23A**  
**Trends in Thirty-Day Prevalence of Daily Use of Various Types of Substances by Subgroups**  
**for SIXTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Alcohol						Any Tobacco Use					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	0.7	0.4	0.2	0.2	0.1	-0.1	0.9	0.9	0.7	0.5	0.4	-0.1	1.1	0.9	0.4	0.4	0.3	-0.1
<b>Place of Residence: <sup>a</sup></b>																		
City & County of Honolulu	0.5	0.3	0.1	0.1	0.1	0.0	0.8	0.7	0.6	0.3	0.3	0.0	1.1	0.7	0.3	0.3	0.3	0.0
Hawaii County	1.0	0.9	0.3	0.3	0.1	-0.2	1.7	1.9	1.1	0.7	0.4	-0.3	1.3	2.0	1.0	0.6	0.4	-0.2
Kauai County	1.5	0.5	0.6	0.4	0.3	-0.1	0.9	0.5	0.8	0.8	0.6	-0.3	0.9	1.2	0.6	0.0	0.3	+0.3
Maui County	1.0	0.6	0.1	0.3	0.0	-0.3	0.7	0.8	1.1	1.2	0.4	-0.8	1.2	0.8	0.6	0.7	0.0	-0.7
<b>School Type:</b>																		
Public School	0.7	0.4	0.2	0.2	0.1	-0.1	1.0	0.9	0.7	0.5	0.4	-0.1	1.2	1.0	0.4	0.4	0.3	-0.1
Private School	0.0	0.4	0.2	0.2	0.1	-0.1	0.5	0.6	0.5	0.5	0.3	-0.2	0.5	0.6	0.0	0.2	0.0	-0.2
<b>Sex:</b>																		
Male	1.0	0.4	0.2	0.2	0.0	-0.2	1.2	0.9	0.8	0.4	0.5	+0.1	1.2	0.7	0.4	0.3	0.2	-0.1
Female	0.4	0.4	0.1	0.2	0.1	-0.1	0.7	0.8	0.6	0.5	0.2	-0.3	1.1	1.1	0.4	0.4	0.3	-0.1
<b>Ethnicity: <sup>b</sup></b>																		
Chinese	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.3	0.3	0.5	+0.2	0.0	0.3	0.0	0.0	0.0	0.0
Filipino	0.7	0.3	0.0	0.1	0.1	0.0	0.9	0.9	0.1	0.4	0.1	-0.3	1.4	1.1	0.2	0.2	0.4	+0.2
Japanese	0.4	0.0	0.0	0.2	0.0	-0.2	0.9	0.1	0.7	0.2	0.5	+0.3	0.6	0.3	0.1	0.3	0.1	-0.2
Native Hawaiian	1.2	0.7	0.2	0.4	0.3	-0.1	1.4	1.4	0.9	0.8	0.3	-0.5	2.1	1.1	0.3	0.8	0.3	-0.5
White	0.4	0.5	0.2	0.1	0.0	-0.1	0.4	1.1	1.2	0.7	0.4	-0.3	0.7	0.9	0.5	0.2	0.1	-0.1

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> Place of Residence includes public, private and charter school students who go to school in that particular county.

<sup>b</sup> Only ethnic/racial groups included in all four survey years are represented in the table.

**TABLE 23B**  
**Trends in Thirty-Day Prevalence of Daily Use of Various Types of Substances by Subgroups**  
**for EIGHTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Alcohol						Any Tobacco Use					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	3.1	2.4	1.5	1.6	1.0	-0.6	3.1	2.8	1.6	1.8	1.5	-0.3	6.6	4.9	2.3	1.9	1.6	-0.3
<b>Place of Residence: <sup>a</sup></b>																		
City & County of Honolulu	2.3	1.7	1.1	1.2	0.9	-0.3	2.6	2.2	1.7	1.4	1.5	+0.1	5.9	4.5	2.4	1.7	1.5	-0.2
Hawaii County	4.9	4.1	3.7	3.1	0.9	-2.2	3.2	3.6	2.3	3.0	1.7	-1.3	7.5	6.6	2.4	2.9	1.6	-1.3
Kauai County	3.2	3.4	1.3	1.3	1.4	+0.1	4.1	4.0	1.0	1.3	0.9	-0.4	9.5	6.6	2.6	2.1	1.0	-1.1
Maui County	5.8	4.0	1.4	3.0	1.7	-1.3	5.6	4.4	1.1	2.8	1.2	-1.6	7.5	4.4	1.6	1.6	1.9	+0.3
<b>School Type:</b>																		
Public School	3.3	2.7	1.5	1.8	1.2	-0.6	3.1	2.9	1.7	1.9	1.7	-0.2	7.0	5.6	2.4	2.1	1.8	-0.3
Private School	2.4	1.5	1.2	0.6	0.3	-0.3	3.4	2.4	1.3	1.2	0.9	-0.3	4.3	2.6	1.3	0.2	0.7	+0.5
<b>Sex:</b>																		
Male	3.7	2.8	1.8	1.8	1.0	-0.8	3.4	2.9	1.4	1.8	1.3	-0.5	5.7	4.2	2.0	1.5	1.0	-0.5
Female	2.6	2.0	1.2	1.5	1.0	-0.5	2.9	2.6	1.8	1.8	1.7	-0.1	7.3	5.5	2.5	2.2	1.9	-0.3
<b>Ethnicity: <sup>b</sup></b>																		
Chinese	0.5	0.9	0.0	0.3	0.0	-0.3	0.0	1.5	0.8	0.3	0.5	+0.2	2.3	0.9	1.2	0.6	0.0	-0.6
Filipino	2.4	1.2	0.5	1.1	0.4	-0.7	3.0	1.9	1.2	1.5	1.2	-0.3	8.2	4.6	3.2	1.3	1.4	+0.1
Japanese	1.0	0.9	0.3	0.9	0.1	-0.8	1.3	1.3	0.4	0.7	0.6	-0.1	3.8	2.4	0.6	0.6	0.7	+0.1
Native Hawaiian	4.7	4.2	3.8	3.0	1.9	-1.1	3.9	3.5	3.5	3.9	1.8	-2.1	7.0	7.0	3.5	3.9	2.0	-1.9
White	3.5	3.5	2.1	1.4	1.2	-0.2	3.5	3.5	1.8	1.3	1.5	+0.2	6.4	4.3	1.8	1.4	0.6	-0.8

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> *Place of Residence* includes public, private and charter school students who go to school in that particular county.

<sup>b</sup> Only ethnic/racial groups included in all four survey years are represented in the table.



**TABLE 23C**  
**Trends in Thirty-Day Prevalence of Daily Use of Various Types of Substances by Subgroups**  
**for TENTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Alcohol						Any Tobacco Use					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	4.2	4.7	3.4	4.4	3.0	-1.4	3.8	3.8	2.4	2.5	2.3	-0.2	10.8	10.6	6.2	4.6	3.4	-1.2
<b>Place of Residence: <sup>a</sup></b>																		
City & County of Honolulu	2.9	3.4	2.3	3.3	2.3	-1.0	2.8	3.4	1.9	2.1	2.1	-0.1	8.8	9.3	5.9	4.5	3.7	-0.9
Hawaii County	7.6	8.6	5.7	5.2	4.6	-0.6	6.1	4.8	3.2	3.3	2.4	-0.9	14.8	13.7	7.4	4.5	2.7	-1.8
Kauai County	5.8	10.2	5.2	7.7	3.2	-4.5	6.5	6.1	4.2	2.6	2.7	+0.1	15.4	18.0	6.2	6.7	4.6	-2.1
Maui County	5.8	6.2	5.4	7.8	5.2	-2.6	4.0	3.5	2.7	3.6	3.4	-0.2	12.1	11.4	6.4	4.5	2.6	-1.9
<b>School Type:</b>																		
Public School	4.6	5.4	3.7	4.8	3.3	-1.5	4.1	3.8	2.7	2.6	2.5	-0.1	12.2	12.4	7.1	5.3	3.8	-1.5
Private School	3.4	3.1	2.2	3.2	2.1	-1.1	3.3	3.7	1.1	2.2	1.6	-0.6	6.9	6.4	3.0	2.4	1.8	-0.6
<b>Sex:</b>																		
Male	5.4	5.7	4.8	5.2	3.5	-1.7	4.7	4.5	2.9	2.6	2.2	-0.4	9.1	9.8	5.8	4.5	3.2	-1.3
Female	3.3	3.9	2.4	3.8	2.3	-1.5	3.1	3.2	1.9	2.4	2.0	-0.4	12.2	11.3	6.5	4.7	3.4	-1.3
<b>Ethnicity: <sup>b</sup></b>																		
Chinese	2.0	2.2	1.0	2.4	0.0	-2.4	4.0	2.8	0.0	0.4	0.0	-0.4	4.7	4.0	1.0	2.3	2.2	-0.1
Filipino	1.6	3.6	1.2	2.1	1.5	-0.6	2.0	2.9	2.0	1.4	1.0	-0.4	10.1	9.4	4.6	3.7	2.6	-1.1
Japanese	3.0	1.5	1.0	2.2	1.3	-0.9	2.8	2.3	1.0	1.8	0.6	-1.2	9.3	8.6	4.1	3.4	1.6	-1.8
Native Hawaiian	6.0	7.1	5.4	6.7	5.4	-1.3	5.7	5.8	2.9	4.5	4.0	-0.5	12.3	13.9	7.0	6.3	5.4	-0.9
White	5.6	6.9	6.4	7.0	3.9	-3.1	1.5	3.9	2.4	3.2	2.6	-0.6	10.0	12.1	7.3	5.4	2.9	-2.5

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> *Place of Residence* includes public, private and charter school students who go to school in that particular county.

<sup>b</sup> Only ethnic/racial groups included in all four survey years are represented in the table.

**TABLE 23D**  
**Trends in Thirty-Day Prevalence of Daily Use of Various Types of Substances by Subgroups**  
**for TWELFTH GRADERS, 1996-2003**

(Entries are percentages %)

	Marijuana						Alcohol						Any Tobacco Use					
	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change	1996	1998	2000	2002	2003	'02-'03 change
<b>Statewide:</b>	6.4	5.2	4.6	4.8	4.4	-0.4	4.7	3.2	3.5	3.3	2.8	-0.5	14.5	14.5	12.1	8.5	7.2	-1.3
<b>Place of Residence: <sup>a</sup></b>																		
City & County of Honolulu	5.3	3.9	2.7	3.9	3.3	-0.6	3.7	2.7	2.2	3.1	2.4	-0.7	13.6	12.9	9.5	8.1	6.1	-2.0
Hawaii County	11.1	9.3	8.1	8.4	7.1	-1.3	6.9	4.5	5.6	4.9	5.2	+0.3	19.9	19.4	16.9	12.3	10.9	-1.4
Kauai County	2.9	9.2	8.6	7.4	4.9	-2.5	5.2	7.0	7.9	3.7	0.7	-3.0	16.8	23.7	21.3	8.7	5.9	-2.8
Maui County	8.5	6.6	8.4	7.0	7.5	+0.5	4.9	2.5	5.7	3.4	3.7	+0.3	11.0	14.2	14.6	8.2	9.6	+1.4
<b>School Type:</b>																		
Public School	6.6	6.0	5.2	5.0	4.8	-0.2	4.5	3.5	4.0	3.0	3.0	0.0	16.7	17.1	13.7	8.8	8.0	-0.8
Private School	6.2	3.8	2.6	4.3	2.9	-1.4	5.1	2.6	2.1	4.1	2.3	-1.8	10.5	10.1	7.0	7.4	4.3	-3.1
<b>Sex:</b>																		
Male	8.8	6.8	6.3	7.6	6.2	-1.4	5.6	4.5	5.0	5.0	3.1	-1.9	13.5	14.7	11.4	9.3	7.5	-1.8
Female	4.3	3.8	3.2	2.4	3.2	+0.8	3.9	2.0	2.3	1.8	2.6	+0.8	15.5	14.3	12.6	7.8	6.6	-1.2
<b>Ethnicity: <sup>b</sup></b>																		
Chinese	0.0	1.2	1.1	1.6	1.4	-0.2	1.0	0.8	0.0	1.2	0.6	-0.6	7.2	9.0	4.4	4.1	0.8	-3.3
Filipino	2.1	3.1	2.5	2.6	1.2	-1.4	3.3	2.8	4.1	2.1	1.3	-0.8	12.4	14.9	12.0	7.8	5.3	-2.5
Japanese	3.4	2.5	1.6	2.5	0.9	-1.6	2.1	1.7	3.1	1.7	1.8	+0.1	16.2	13.3	8.8	7.4	6.0	-1.4
Native Hawaiian	9.9	7.6	7.2	7.0	9.0	+2.0	6.6	4.4	6.1	4.7	4.4	-0.3	12.7	13.7	15.7	8.5	9.6	+1.1
White	9.5	8.7	8.1	8.6	7.7	-0.9	4.7	3.7	3.2	3.0	4.1	+1.1	16.6	14.4	12.0	9.3	9.2	-0.1

NOTE: See Appendix B for *Approximate Weighted N Sizes*.

<sup>a</sup> *Place of Residence* includes public, private and charter school students who go to school in that particular county.

<sup>b</sup> Only ethnic/racial groups included in all four survey years are represented in the table.